JANUARY 1884

THE COMPLETE NEWS SERVICE FOR BUYERS OF PACKAGING EQUIPMENT, MATERIALS AND SERVICES

EU fudges targets on Waste Directive

uncertain future faces the opean Union's (EU) Pack-'g and Packaging Waste rive, despite the common n reached at the Council

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Air ters (CoM) meeting. Ger. any, The Netherlands und De mark voted against the motic and although the British unior environment inister Tim Yeo says "the arective has been transformed .rom one driven by green Eduts", industry groups such Ineper are less optimistic nat the passage of the Directive ill retain its present form.

Uppe and lower limits re agred by the CoM for covery a is recycling:

5-year targets of a minimum -0 per cent and maximum er cent of packaging waste t be reconcred;

minimum 25 per cent and imum 4° per cent must be 'cled w. .iin 18 months of Directive coming into force. The waste management rarchy will also be introced, with more emphasis ing placed on waste reduction

in the production of packaging.
In 10 years time these limits will be reviewed and increased substantially, said the CoM. The new levels will be set by the Council based on European Commission proposals.



Germany, Denmark and the Netherlands, who opposed what they see as the watering down of the Directive, had argued for a recovery target of 65 per cent and a recycling target of 45 per cent per material.

As a concession under Article 4 of the Directive, countries have been given the right to set limits above those agreed upon by the Directive. But in order to be allowed to do so they must show that there would not be an adverse effect on the Single Market and that they have the capacity to their own territory.

The Commission has been given responsibility for approving which parts of national legislation can go beyond the Directive's limits. This applies to existing as well as future legislation. In effect, this means that

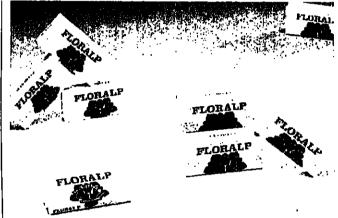
changes will have to be made to the German Packaging Ordinance, while the DoE will have to submit the Producer Responsibility Group recycling targets, which are likely to be around 75 per cent.

Problems are anticipated however, since the Commission has a poor record on desisting German demands, says Mr Devereux of Incpen.

Once the position is formerly adopted, the text will go to the European Parliament, which now has additional powers under co-decision procedures, for its second reading. MEPs fear that the Direc-

reading until the German presidency starting in July. • See page 8 for full report

tive will not get its second



OPPack Gold: "an elegant Image created for commodity product"

Innovative butter wrap

An opp film that replaced a Gala Dinner in Cologne. paper/wax/alufoil structure for wrapping Floralp butter won top honours in the 9th Mobil Plastics Europe OPPack Awards for Swiss milk association, ZVSM Bern last month.

"Attracted the eye"

"This extremely innovative pack took the judges' eyes in all of the technical, graphics, economy and environmental issues categories," said chairperson of the seven-member international jury, Bob Pritty, when introducing this Gold award at a

"Moving from a paper foil laminate to OPPalyte 50 MA 657 and surface printed, showed a new way to package butter while improving the environment and proving to be cost effective," he continued.

"The 60 per cent reduction in the material used showed a healthy respect for the environment and the graphics showed a distinguished quality and produced an elegant image for what is normally considered to be a fairly basic, commodity product."

The film was converted by two Swiss companies: Nyffeler Continued on back page



Stand-alone, pc or mainframe linked thermal transfer printing is offered with a desktop system.

Avolding risks with resealable packs
Packers looking for zipper
resealability should beware of
retrofit machines, say experts.

Faster size changes on blscult wrapper 12
For short run wrapping of biscults,
Elkes has installed a machine which
offers a wide range of pack sizes.

Weight sayings with plywood cases Freight costs for plumbing products have been cut with cases that can be flat packed for storage.

Hygiene accreditation for flexibles plant 15
Fast route to ADAS recognition for company will be duplicated in overseas plants.

FEATURES

Machinery review 20-33 We look back at the best machines featured in PN during 1993. Weighing, cartoning, coding, end of line and flexible packaging are just some of the major areas examined.

CLASSIFIED ADS start on page 61 APPOINTMENTS start on page 54

Prescription-only pressure



20-page leaflet label produced by David J instance for the US market

and leaflet directive for pharmaceuticals coming into force in the UK this month, even where licences are not due for renewal, companies will be under pressure to repackage their prescription-only products, according to industry experts.

Regulations state that any new and renewal licence applications from the beginning of January 1994 will be required to provide comprehensive patient information, either on the pack or as a leaflet.

But according to consultant David Benoliel, competition from better-presented Continued on back page



27-29 September 1994 For more information contact Augela Lock

at PPMA Ltd. Progress House, 104 Brighton Hoad. South Groydon, Let 081 681 8226 Fax 081 681 1641

on everyone's lips Machinery Show for Processing & Packaging at the NEC Birmingham in 1994

The show thats



CIRCLE HUMBER 181-426



WORLD THE PAGES FOR PACKAGING PRODUCTION & PRINT PAGE 35

The Packaging and Packaging Waste Directive moved a little closer last month with the Council of Ministers (CoM) reaching a common position on upper and lower limits for recovery and recycling (see front page and page 8).

The outcome does however lead to as many questions as answers and, as MEPs fear that it won't get its second reading until the German presidency which starts in July, much could still change.

Not surprisingly, these new targets have been wel-comed by the UK, but opposed by Germany, Denmark, the Netherlands and Friends of the Earth, who see them a a further watering down of an already weak Directive. But, although Tim Yeo, the British junior environment minister says it has been "transformed from one driven by green zealots" the potential for a stalemate when it goes back to the CoM, is very real.

One of the contentious issues is the right of individual countries to set limits above those required by the Directive. This does on the face of it seem to fly in the face of the harmonising objectives but, as the UK's own Producer Responsibility Group plan is likely to set recycling targets of 75 per cent at the end of this month, it is not just a measure to favour the 'dark green' member states.

It does, of course, have the definite potential to blow a hole in harmonising standards across the community and, as this will probably not be debated under the Greek presidency, one that could have serious consequences for the already hard-pressed UK recycling industry.
Proposed safeguards should, however, stop materials

being dumped in other countries as in order to be allowed to go above the targets, countries must show that they-have the capacity to treat the recovered materials on their own territory. As this applies to existing as well as future legislation, German packaging waste should not now be finding its way to the UK.

Although this is good news for some, it does present an anomaly which displeased Dutch environment minister, Hans Álders. He said it created a ridiculous situation whereby countries operating within the recovery limits would be able to ship their waste to other member states while those going beyond the Directive's limits would not.

He has a point, and one that is highlighted by Peter Davis, chief executive of Incpen in his first major interview to the packaging press (see page 16). We must be aware that the Government has political needs too, he says. This is also true for ministers throughout Europe. If the Directive does not meet their own countries needs, then it is obvious that they will continue to fight their corner. "It is very important for the industry to recog-

nise and understand this," says Mr Davis. " Happy New Year.

The modular approach to pick and place

Pick and place casepacking is now available from Endoline as part of a modular approach spanning case erection and sealing, following the company's acquisition of Advanced Endoline's own work on a casepacker was helped when it

Design Systems (ADS).

took on ADS and its design

engineering department. The

300 range is a product of the

two teams working together,

and features a compact format

and a choice of quick-change

Endoline's 200 series case crec-

tors and any one of a range of

case scalers, the 300 machines

are equipped with stepper

motors and ple control to

allow for precise movements

and the ramping up and down

of acceleration. The unit fits in

the standard 3m conveyor-

length between case creeting

Accessibility from both

sides of the machine is another

approach contrasts with the

integrated processes supplied

key feature of the range. This

Designed to fit between

picking heads.

and scaling.

place under the pick and place unit. Although such combination's will be available for cus-Road, Biggleswade SG18 8QB

by ADS where, for example, automatic case erecting took tomers which request them, the company will be stressing its easy-access, modular designs, says Endoline (Stratton Business Park, London Packaging News.

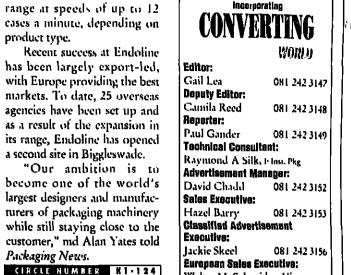
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- tel: 0767 316422).

product type.

Typically, carroned product such as frozen foods, hot-

tles, tins and canned product can be handled on the 300



CIRCLE NUMBER 81-124 Wendy Lish Credit Control: anet Ford

An Endoline 300 pick and place casepacker: compact format

PC-based specification system offers productivity with security

Packaging specifications can be generated and circulated using a pc-based system which integrates data from different sources and is said to offer greater productivity with total security.

Available from CPS Information Systems - a joint venture between Cape Systems and the US Sarbrook company - PC-Specs is described as sophisticated software, partially customised to end-user

Data which can be incorporated into the system includes material specifications. performance-related, legal or environmental, purchasing,

supplier and production information. Surface graphics. structural design detail and data such as barcodes can also

be fed into the system. Cape's own palletising graphics and cad software can be integrated with PC-Specs into a single system, says Peter Lansdown, who is the operations director at CPS.

Approval times cut Since all relevant information and graphics can be combined in a single system, and access obtained through a Local Area Network (LAN) by all those involved in the specification process, approval times

can be reduced.

"Suppliers could be in the same network, with access just to their part of the system to check they are supplying to the correct, current spec," says Mr Lansdown. A full audit trail is also recorded for checking at a later date, in accordance with the BS5750 standard.

Other sections of the supply chain - such as printers, sample makers and graphic designers - can also be linked into the system, says CPS (40-41 St Olav's Court, City Business Centre, Lower Road, London SE16 2XB tel: 071-394 9323).

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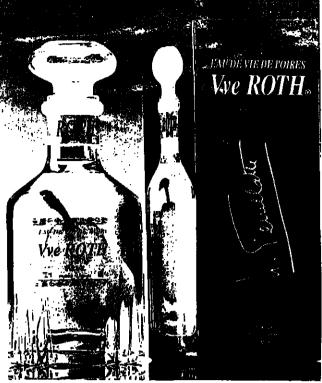
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CINCLE HUMBER THEFE PACKAGING NEWS/JANUARY 1994

Champagne goes for TWK gold



Solid dark blue carton with gold lettering for Eau de Vie Yve Roth

A golden presentation casket was chosen for the launch of French champagne producer Nicolas Feuillatte's Palmes d'Or 1985 vintage. The luxury Feuillatte casket has been made using Mead Coated Board UK Ltd's Coated Natural Kraft (CNK) Custom Kote.

The two halves of the casket are produced from a single sheet of 355gsm Custom Kote, doubled to create a twin-wall construction. This is gold printed and gloss laminated after which the Feuillatte signatures and fine rules lining the carton profile are added in blue by thermographic transfer. Mead says its carton

strength withstands hand assembly and packaging while the crush resistance of doubleskinned CNK with matching die cut inserts protects the champagne in its carafe-shaped bottle.

The traditional weak point chosen for the Eau de Vie Vve on the coffret style carton. Roth pear liqueur. The carton which often requires a backing is printed in solid dark blue strip of cloth or kraft paper to with gold lettering. Two sheets of CNK are be applied, has been overcome by CNK because of its blend of

LIRRARY ALS NO. 9.2. 1914

soft and hardwood fibres, says Mead (Hertford House, Rickmansworth, Herts WD3 2XB). This does away with the need and cost of reinforcing the

hinge between the base and lid. Custom Kote was also duce a package of equal strength to microflute. However, unlike fluted board there are no corru-

laminated back to back to progations to show unsightly wavy lines through the glossy surface under strong display lighting. CIRCLE HUMBER K1-107

Coupon label used for Durex



THE TOOTHBRUSHCASE

MACHINE

Contact us for more Information Sollas U.K

A Promotext self-adhesive coupon label with three text surfaces developed by Labeltech Ltd. is being used by LRC Products Ltd for a special offer to boost sales of its Durex Elite and Extra-Safe brands in Asda stores.

"We wanted a coupon offer that would fit on to the pack's shrink wrapping but would not detract from the pack design and product identity," says LRC. It opted for a record offer promotion to

The Promotext self-adhesive coupon label is printed with two colours on white semigloss varnished paper

THE SOAP BAR!

THE WRAPPING

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MACHINEL

appeal to a wide age span o Durex customers.

The 50mm square coupon label is printed with two colours on white semi-gloss varnished paper. A permanent adhesive is applied to the base label. It provides details of how to claim, while the top label peels off with its reverse side acting as a redeemable voucher.

Labeltech (Crittall Road, Witham, Essex CM8 3BJ) says that Promotext's advantages include: extra space for conventional labels to carry more nformation while still remaining fixed to the pack; a system that can be applied by hand or recognised label applicators to a wide variety of packages; a variety of shapes, and the use of up to six colours.

CIRCLE NUMBER K1.411

CIRCLE NUMBER | KI-100

ME AUDIO CASSETTE!

THE WRAPPING

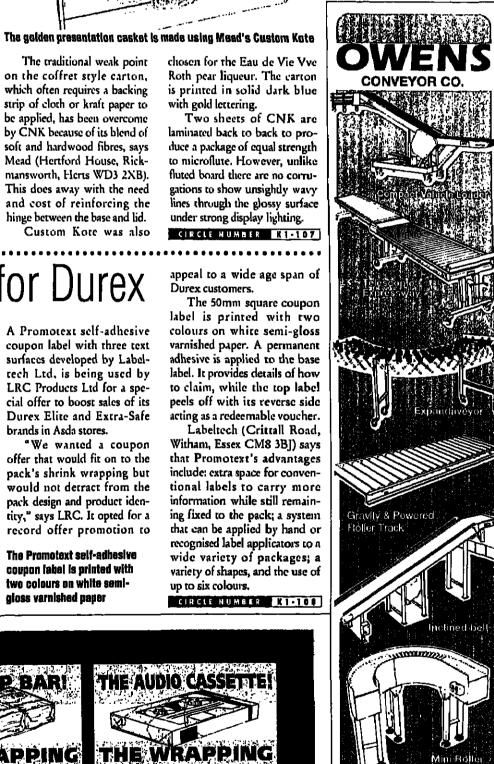
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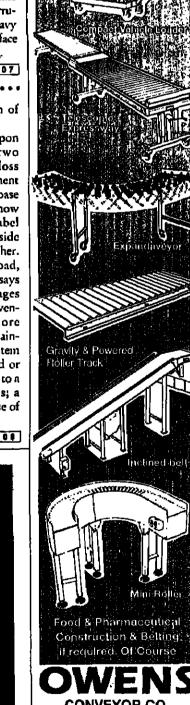
PPMA show spreads to Wembley

/Fix-a-Form/

The Wemb tre has be as the venue for ang and Packagieer Association s. I Show, 120 which 🕒 con the 14 - 16 1975. It is and a ted that all

three halls, totalling 13,350m. sa, will be used. "Although Telford has been a good venue for us for six years, the size restriction has made it impractical to continue. The Wembley Centre is an ideal alternative to the NEC in Pakex years and the exhibitors and visitors will find that the character of the PPMA Show will be maintained," says David Wright PPMA president.





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CIRCLE HUMBER KI-438

PACKAGING NEWS/JANUARY 1994

#sollas

sentation is aimed at the dairy

industry and related sectors such as ice cream and cheese. It will be held from the 26 -27 this month at the Esher Hall, Sandown Exhibition Centre, from 10 am to 4:30 pm

On display at the show will be the latest version of Bradman-Lake's cartoning machine, the semi-automatic Bradlok SL80. This machine is now produced in stainless steel with fully waterproofed electrics, says Bradman-Lake (0272 715228).

For tickets and further information regarding the Presentation contact PPMA Ltd, Progress House, 404 Brighton Road, South Croydon, Surrey CR2 6AN - tel: 081-681 8226. CIRCLE HUMBER KI-119

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CIRCLE HUMBER 11-417

Company Name & Address

Dairy delights | Rugged printer gives full diagnostics

Latest in the Tee range of thermal transfer and direct thermal printers, the B-572 is launched this month with features that are optional on other printers such as full diagnostics included as standard, according to the manufacturer.

A ribbon saving capability is complemented by Tec's 'floating edge' technology, which means that print speeds can be main-tained and thicker substrates fed in without difficulty.

"Speed with

head and print speed options of 76, 127 and 202mm a second, the B-572 is said to combine speed with quality. Resolution is 12 dots per mm and 20 fonts are available.

Full onboard diagnosics minimise the need for on-site troubleshooting, but with the backup of Tec's technical hotline and after-sales service. Rugged stainless steel construction is another strength of the printer, says the company.

Other standard features include on-demand printing and flash memory cards, which are especially useful when the printer is functioning in standalone mode. In this case, a full qwerty keyboard with twoinc display is available.

With the objective of retaining versatility from standalone to link-up with a mainframe computer, the B-572 was developed by Tee's European companies, including Tec (UK) (1 Siskin House, Marlins Meadow, Croxley

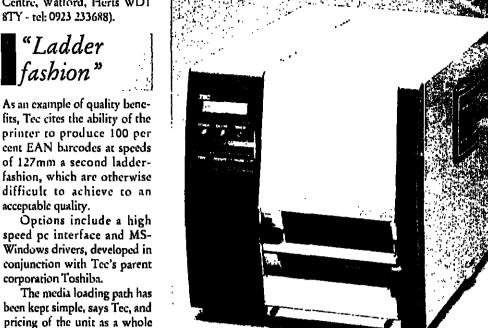
Centre, Watford, Herts WD1 8TY - tel: 0923-233688).

"Ladder fashion"

As an example of quality benefits, Tec cites the ability of the printer to produce 100 per cent EAN barcodes at speeds of 127mm a second ladderfashion, which are otherwise difficult to achieve to an acceptable quality. Options include a high

speed pc interface and MS-Windows drivers, developed in conjunction with Tec's parent corporation Toshiba. The media loading path has

CIRCLE NUMBER | K1-120



Tec's B-572 thermal/thormal transfer printer has all the options

Monitor PACKAGING NEWS

available in the UK.

27mm and weighing just 170g, the Shockranger uses an LED to record four pre-set levels of gs, with maximum levels of 40 to 200gs. The unit automatically latches onto the highest acceleration level recorded for subsequent readout.



Bottle with powerful shoulders

Casting its shadow in the direction of the tolletries and cosmetics counter, a glass bottle with raised shoulders has been launched by German manufacturer Keinz Glas.

A specialist in small glass containers, Heinz has moved in the opposite direction to those designers looking for ever more graceful downward curves on a bottle.

The flacons are mass-produced on a standard IS machine, says Heinz (UK distributor: International Bottle Company, Beadle House, Bull Plain, Hertford, Herts SG14 1DT - tel: 0992 551751). Botties in flint, coloured or multicoloured glass can be supplied, says the company.

the range of

for transit

For basic monitoring of shock and vibration during transit and in-house handling, a small, low cost accelerometer is now

Measuring 100 x 40 x

Manufactured by Dallas Instruments in the US, the Shockranger comes in four frequency ranges up to 200Hz. Batteries have a life of two years and are factory replaceable, says UK distributor Apex Standard (1 West Street, Ditchling, East Sussex BN6 8TS - tel: 0273 846707). CIRCLE NUMBER KIE121

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PACKAGING NEWS/JANUARY 1994

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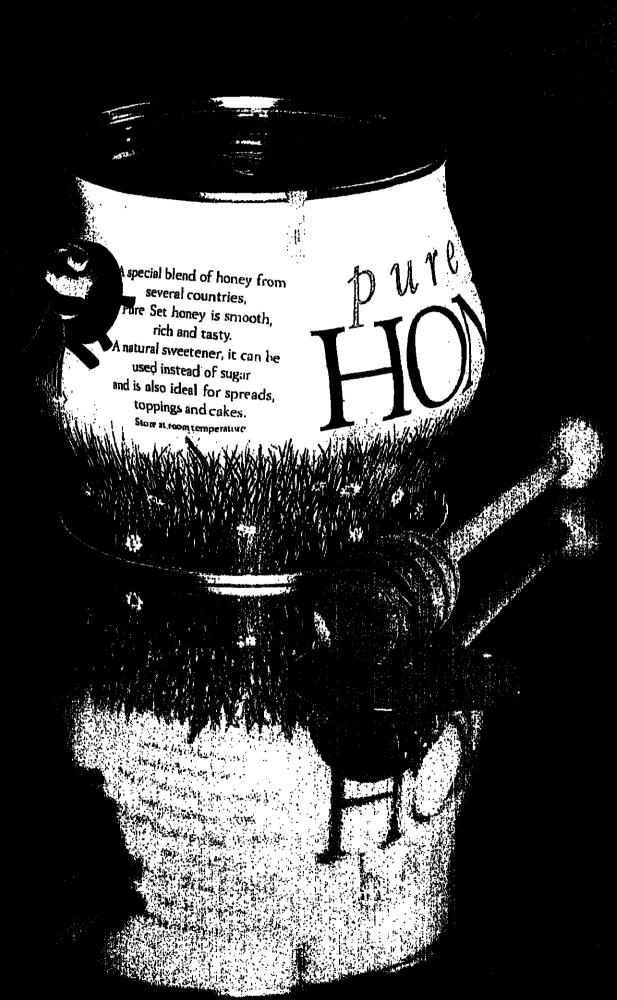
As you'd expect from the world leaders in food can technology, our research laboratory is a hive of industry. New product development is at the top of the agenda, and our innovative ideas have already led to exciting new products in areas of food packaging not normally associated with metal. In fact, you'd be surprised at just how flexible metal packaging is. Would you like us to explore the packaging possibilities for your product? Give us a buzz.

Francisco Serrano, Marketing Manager CarnaudMetalbox plc, Foodcan Group. Telephone (0905) 762323. Fax (0905) 762357.



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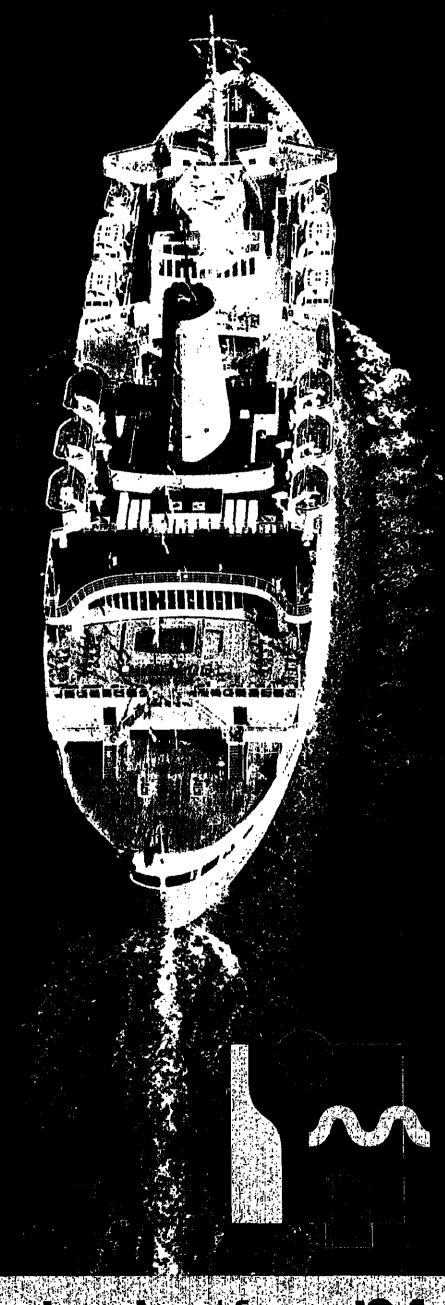
For the supplier companies attending it will bring them face to face with leading packaging buyers

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For further details, please call Julian Gorst or Andrea Murphy on 081 332 2422.



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ENVIRONMENT NEWS

EU sets recycling targets

After lengthy discussions, the European Union's (EU) environnient ministers set targets on recycling and recovery under the Packaging and Packaging Waste Directive at their meeting on December 15 (see page 1).

Certain exemptions have ocen negotiated so that Greece, Ireland and Portugal will be allowed an additional five years in which to reach targets.

But it is other exemptions negotiated to appease the Dutch, Danes and Germans, who are opposed to the lower levels, which bode a stormy passage for the Directive during its second reading.

"On balance it is just as well we have got a Directive with fuzzy edges than no Directive," said Incpen spokesman James Devereux.

On the whole, the amendnents suggested by the European Parliament's (EP) environment committee rapporteur, Luigi Vertemati, have been ignored. These place more importance on environmental issues and were formulated under the former co-operation procedures.

David Bowe MEP and a member of the EP's environment committee told Packaging News: "We will find relish in tackling the Directive. We have powers and see just how far they can stretch them."

Dutch environment minister Hans Alders, was dis-

pleased with the result of the meeting and said that it has created a ridiculous situation whereby countries operating within the recovery limits would be

able to ship their waste to other member states while those going beyond the Directive's limits would not. Aside from the anticipated

delays to the Directive, problems are also envisaged under Article 4, whereby the Commission approves national recycling and recovery limits set above those in the Directive since the Commission has a poor record on desisting German demands, according to Incpen.

"This could blow a hole in harmonising standards across the Community, which is the whole point of the Directive,"

If and more than likely when, the EP puts amendments to the Directive which go back to the Council of Ministers a stalemate could arise. rejected by unanimity or passed by a majority and since Germany, The Netherlands, Denmark and possibly Bel-

in favour of higher targets, as are MEPs, an impasse is anticipated.

While the UK Government's response to the targets has been posi-

tive -"We are delighted. It is a major breakthrough for the presidency," said a DoE spokesman - environmental groups have responded less enthusiastically to the Directive.

Friends of the Earth said: "We have criticised the proposed Directive for failing to tackle the root problems of reduction and reuse targets and we feel that the compromise agreement is a further weakening of an already weak Directive."

Others were less harsh on the outcome of the meeting, glad that some headway has finally been made. Nancy Russotto, director general of the Association of Plastics Manufacturers in Europe (APME) said: "We welcome the political agreement in the EC as a

ment of a harmonised legislative framework ... Highest recovery levels will be achieved and sustained by drawing on all the options: reduction, reuse, mechanical and feedstock recycling and clean combustion with energy recovery".

The Department of the Environment (DoE) is convinced that companies and countries will now have a legal recourse and any fledgling recycling schemes will be protected.

In addition, a DoE official told Packaging News that the German Government has given it assurances that it would stop exporting plastic packaging waste by Christmas. Measures to revise the

much criticised German Packaging Ordinance are also currently under discussion. Klaus Töpfer, Germany's federal environment minister faces strong opposition from the German states to lower targets. Privately, UK officials

believe that Mr Töpfer is pleased his hand has been forced by the EU. David Bowe MEP told Packaging News that he thinks Mr Topfer "is using the Directive as an excuse to save face. He has discredited recycling and...has given all sorts of people annunition against it",

pressure group, has been forced to withdraw an advertising campaign describing pvc as an "environmental poison", following a court ruling in Vienna, which said its claims were false and likely to cause undue fear

rather than clear understanding. The billboard advertisements were also criticised for portraying the material as a useless product. Greenpeace was warned that the public had

false assertions and that the group could not demand protection under the constitutional

right of free expression.

Vienna Commercial Court's verdict follows a similar ruling in the Netherlands against the Dutch Ministry of the Environment who were also using inaccurate and misleading information on pvc, said the European Council of Vinyl Manufacturers (ECVM).



IMPORTANT ANNOUNCEMENT **SLAUTTERBACK**

As from 1st January 1994 Nordson (UK) Ltd will be responsible for all after sales service, replacement parts, and repairs on the full range of Slautterback Hot Melt application equipment.

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CIRCLE HUMBER KILLET



Showing foam commitment

It's 'foam from foam' for visitors to Manchester branches of McDonald's, with onsite collection and recycling of the ps burger boxes being organised by Linpac Plastics International.

Here schoolbey Timothy Veal is shown in one of the four fast food outlets around the city which are encouraging the separate collection of boxes and other ps items. Recycling takes place at the Bollington, Macclesfield, recycling plant run by Linpac (A1 Business Park, Knottingley, Nr Pontefract, W Yorkshire WF11 OBS CIRCLE HUMBER KILLE



Pifa calls for levy on landfill

The UK waste manage-

lobbying against the move.

municipal solid waste.

"We should

only collect

what can be

Consultant Barry Overton,

who is a member of the Pifa

working group on the manage-

ment of waste plastic packag-

ing films, said: "We should

only collect what can be justifi-

ably recycled." He recom-

mended that consumer waste

be destined for incineration,

with more emphasis placed on

recycling flexible packaging

used in commercial, industrial

tonnes are currently recycled.

Mr Overton stressed the importance of industry and the

Government developing uses

and acceptance of recycled

materials. "Without markets

there is no point in recovery for

recycling. The way to create

such a market is to stimulate

economic benefits through

higher disposal costs, invest-

ment in incineration and a drive

and agricultural applications. Of the 857,000 tonnes of packaging consumed 59,000

justifiably

recycled"

The Packaging and Industrial Films Association (Pifa), is calling on the Government to introduce a landfill levy to discourage excessive packaging and stimulate waste diversion towards recycling and energy recovery.

At a recent meeting in Westminster industry members told MPs that realistic landfill pricing comes closest to the polluter pays principle.

Currently around 80 per cent of waste is landfilled in the UK, which has one of the cheapest landfill disposal costs in Europe. Pifa calculates that if landfill charges of £30-40 a tonne were charged their objectives would be achieved.

The proceeds could go into funding waste-to-energy recovery plants by the private sector. Alternatively, it could go towards local authority sorting and collection costs, says Pifa.

"Encourage pressure to reduce waste wherever it 🖁 occurs"

"Landfill pricing would encourage pressure from manufacturers, consumers and retailers to reduce waste wherever it occurs," said Pifa chief

executive Jim Pugh. However, while a report commissioned by the Government has come out in favour of such a levy, it is unlikely that it will be introduced in the near future. The Department of the Environment said it is still considering the reviews findings. Recycling targets

recycling through regulatory

means by setting targets if

there is no market for the recy-

cled product," Chris Smith

Shadow Secretary of State for

Environment told delegates at

the Finnish Forest Industries

Federation Renewable, Recy-

"Recycling is not the

answer to everything. Recy-

cling is an option among the

waste management hierarchy.

We need to look dispassionate-

ly at the full environmental

impact of any waste manage-

ment system including recy-

aging industry for praise, say-

ing that it has begun to

develop a life cycle analysis

approach to the purpose and

to grave. He suggested that all

cling," said Mr Smith.

clable, Responsible seminar.

are 'not enough' play, in setting framework to enable recycling to take place where appropriate," he said.

The EU's Eco-Labelling scheme was also the subject of much debate. Less well received was Mr Smith's suggestion that the Eco-Labelling system be complemented or even replaced by a Product Information Bill. This would require products to list information on packaging about energy and resource use required for manufacture and disposal, recycled content and other relevant information.

Dissatisfaction with the scheme was expressed by some He singled out the packspeakers at the conference. Rainer Haggblom md of Jaakko Poyry Consulting Oy, said following work with the Eco-Labelling scheme he has use of packaging from cradle become more critical of it and believes it should be scrapped. industries follow suit. "The

ENVIRONNATION TO BUS Incineration coalition

rials and consumer goods compames are among those forming a pro-incineration coalition which will begin lobbying this year in an attempt to maximise ment industry has also reacted the scope for energy recovery within the Packaging Directive. strongly against the introduc-

tion of such a charge and is The European Energy from Waste Coalition (EEWC) Flexible packaging forms will group companies includless than 20 per cent of all ing manufacturers, paper and packaging. Some 65 per cent of plastics producers and incinerflexible plastic packaging is ator builders to lobby key used for consumer food and opinion-formers in the waste non-food packaging, yet it repmanagement area. resents less than 4 per cent of

"The biggest obstacle is making generally available state of the art technology for air emission control," says Nancy Russotto, director of the APME (Association of Plastics Manufacturers in Europe). But according to the association, public opinion regarding incineration is lagging behind the

original causes of concern which have already been resolved.

"We will continue to call for a moratorium on incinerators until there is a properly developed waste management strategy which includes statutory targets for the reduction, reuse and recycling of packaging," says a spokesperson for Friends of the Earth (FoE).

Formation of the coalition (010 322 732 3935) coincides with research from Neste Chemicals which finds that PDF (Packaging Derived Fuel) can safely be used in proportions of up to 20 per cent of thermal feed in fossil fuel heat and power generation.

According to the British Plastics Federation, 64 per cent of UK MPs have agreed that incineration with energy recovery is the best way of dealing with plastics waste.



The new force in corrugated coming to the Northwest



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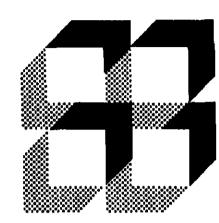


CIRCLE HUMBER K1-420

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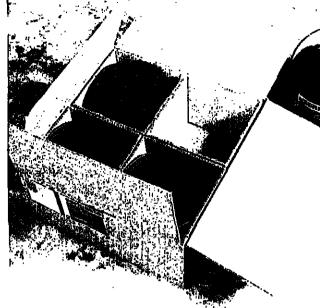
Combi-pack for inks/chemicals

A combination pack, with UN Packaging Group II Certification, has been developed by RPC Containers Ltd in conjunction with SCA Packaging Ltd and Sericol Ltd, for packing Sericol's range of printed inks and screenmaking chemicals.

The pack features four 5 fitre RPC Oakham S range containers manufactured in hope and packed inside a double wall corrugated case, which was supplied by the Aylesford branch of SCA Packaging (Packet Boat House, Packet Boat Lane, Cowley, Uxbridge, Middlesex UB8 2[P - tel: 0895 445533).

For extra strength the containers are separated by corrugated dividers in the case, savs RPC (Kilburn Road, Oakham, Rutland, Leics LE15 6QL - tel:

Phil Hadden, Sericol's senior buyer raw materials says: "We previously used heavy duty plastic containers,



The SCA pack features four 5 litre RPC Oakham S range containers

which were sourced outside the UK. The RPC pails are easy to use but at the same time are still strong and robust

type of products packaged and also to withstand frequent and tough handling."

number of lines.

To satisfy UN Group II packing requirements the combination pack underwent a number of stringent tests, including drop and 24 hour stacking tests.

"The new pack is a more cost-effective and user-friendly alternative to our previous form of packaging, without compromising quality or durability in any way," says Mr Hadden.

Sericol said the additional weight of the former container added to its costs and made it difficult to handle. Problems with pouring were solved by the addition of a handle.

In order to meet the varying disposal regulations worldwide, the S range container is mamulactured in one material In addition, RPC is now developing different size packs.

CIRCLE HUMBER MINIS CIRCLE NUMBER KI-II6

Robot palletiser gives stability **Mainland** marketing

Flexibility, strength and smooth multiple palletising is offered by the Italian Skilled 503 robot, now supplied in the UK equipment for the packag-UK by Europack Engineering. ing, converting and allied sec-With its three support pil-

tors is to be marketed in mainland Europe by Engellars, the 503 is said to provide a mann and Buckham. more stable work platform Starting with the expansion than other single-pillar of its operations in the Nethermachines, and the counterballands to serve the Benelux ance system helps to give a countries, E&B intends to then smoother operation, says sales build on this base in other areas director Peter Bornhauser. of Europe - including Italy, Compact design is a major

France and Germany - repreadvantage with the computer senting UK manufacturers. controlled 503 - manufactured Industries including plasby Euroimpianti in Italy tics, packaging, converting, which operates on four axes. graphic arts, food and dairy are Maximum horizontal reach is already served by the company 1.9m, with an ability to stack (Buckham House, Lenten pallets up to 1,85m. Street, Alton, Hants GU34

AN IMPORTANT ANNOUNCEMENT

Quality Control Manual

is now completed (under BS 5750 Part 2) and

is currently being submitted for assessment.

the Prevention of Accidents. Therefore, when BSI Quality

Assurance Standards were introduced, it was natural for

★ Over the years we have always sought the approval of

Department of Environment Officers, the Furniture

us to decide to integrate all levels of the Company's

★ Our QUALITY MANUAL is now available in response to

any queries that may be raised by our customers. We

Management System is assessed and approved, they will be one of the first Importers and Distributors to be

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able to state that their Company has BS 5750 Part 2

activities to conform with the new specification for

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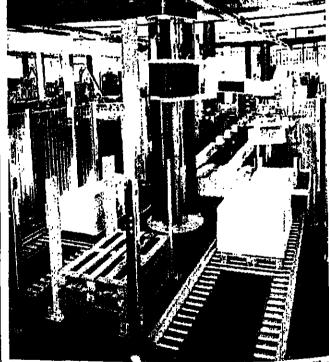
1HH - tel: 0420 82421).

Two pallets can be loaded simultaneously to different CIRCLE NUMBER | NI-115 | preset patterns and complete

loading cycles including posipany (Common Lane North, tioning of empty pallets and Beceles, Suttolk NR34 9BP layer sheets can be carried out. Removal of full pallets is also tel: 0502 7165401. automatic. The rail-mounted

Emormojanti offers a choice of pick-up heads, with version of the robot can serve an alother to change quickly more than two pallets from a between product programmes. With this addition to its Carrons, shrinkwrapped packs, bags, sacks and drums can all be range, Europack can offer complete end of line packing handled by the system, which systems from shrinkwrapping can life weights up to 120kg. and casepacking to pallet

CIRCLE NUMBER KILLL



Skilled 503: can service two lines simultaneously from one position

TURN TO THE BACK

Risky reseal retrofits

according to Marubeni.

some machines it does not

work, and others simply do

using zipper on-line it is not as

easy as everyone wants you to

believe. Operators must be

trained and aware that there

do which you did before,"

UK profile and pre-

formed bag supplier Supreme

Plastics has found that

sions to take the whole range

of pots used by the Belgian

ing products using computer-

aided design and simulate test

the tray on computer before

transferring the design to the

factory floor. The trays will be

thermoformed from two colour

co-extruded sheets and the

materials will be reprocessed

and recycled by Matrix (2

Wansdyke Business Centre,

Oldfield Lane, Bath, Avon BA2

manufactured and tray produc-

tion will begin this month at

the company's new factory in

distributed through four new

distributors in Belgium, and

will be sold to suppliers and

growers throughout Europe.

Once used, either the distribu-

tors will collect the trays and send back the ground material

to Wales or suppliers will

reprocess the material and send

it back in sheet form where it

CIRCLE HUMBER X1-106

will be made into new trays.

The one-trip trays will be

Moulds are currently being

3NP - tel: 0225 484793)

Pen-y-Fan in Wales.

Matrix design all its packag-

horticultural market.

warns Mr Simonsen.

Contract to provide

11 million recycled

ps plant trays

A £2.3 million contract to pro-

vide the Belgian national association of exporters and traders

of the horticultural industry,

Navex, with 11 million recy-

cled polystyrene plant trays over the next two years, has

been awarded to the UK pack-

aging design and manufacturing

the large product know-how,

the creativity and the empathy

lems," said Navex chairman

per cent of the horricultural

market in Belgium, wanted a

strong versatile product range

The Matrix tray design

patents and technology were

accepted because they added

to the original concept by

giving the tray a 10 per cent

higher carrying capacity than any other tray on the market,

introducing a watering sys-

tem, and making the tray

plastic plant pots and will be

produced in 14 different ver-

It can carry either clay or

easy to stack.

which could be recycled.

Navex, which represents 75

Ignace Valuchene.

"Our choice was based on

company, Matrix Industries.

"When companies do start

nor have the space for it.

Food packers seeking to add resealability to sachets and pouches by retrotitting equipment onto existing systems risk producing only below standard packs, according to materials and machinery suppliers.

While the number of machine systems available in the UK is steadily increasing, the add-on cost has deterred many retailers from taking the plunge even though they may like the idea of the pack, according to Roger Palmer of Marubeni UK.

Companies such as Kawashima - which Marubeni represents - have amassed technical know-how in the area of rescalability over several years, says Mr Palmer. With the perceived marketing advantages of rescalability, other machine manufacturers have been quick to make claims of faster speeds and

Problems arising in paralthough adding resealability onto machines would appear ticular from retrofitting include alignment, which can to be straightforward, in practice there are all sorts of probsuffer when the material of the pack is welded with the lems associated with it. "It has profile already attached, been proved on a number of occasions that retrofits are a Steve Simonsen, group false economy," says Richard manager for new business Costick of Supreme.

development at US zipper "Poor seals company Presto Products, savs he has been involved in a numand leakers" ber of successful recrofit installations. But he admits that for

Mr Costick has found that retrofit machines tend to produce poorer seals, more leakers and suffer from lower speeds and increased downtime.

John Hutchen, market development manager at Multivac, also has experience of are things which you cannot customers wanting to launch into rescalability by adapting

he integrated.

obtain rescalability.

low the same course.

existing machines. But Multivac discourages this sort of retrofitting, he says, believing that for the systems to be effective on the horizontally thermoformed packs, the latest controls and electronics must

Research carried out by Zip-l'ak in the US found that the majority of a sample of 300 adults said they would switch brands across all applicable food categories to

Increased pack costs remain a problem for end users wishing to reap the benefits of consumer interest. One solution, according to Marubeni, is to increase volume by huilding on success with one customer until resealability becomes a standard in a given sector.

This has already happened with cheese in the UK, and confectionery may soon fol-



Acomponent compression of the colours of the colour

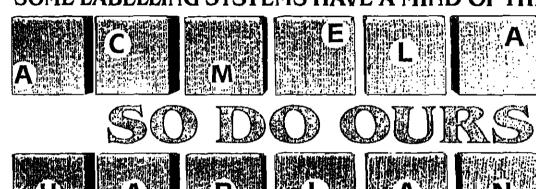
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CIRCLE HUMBER 11-402

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CIRCLE HUMBER | K1-440

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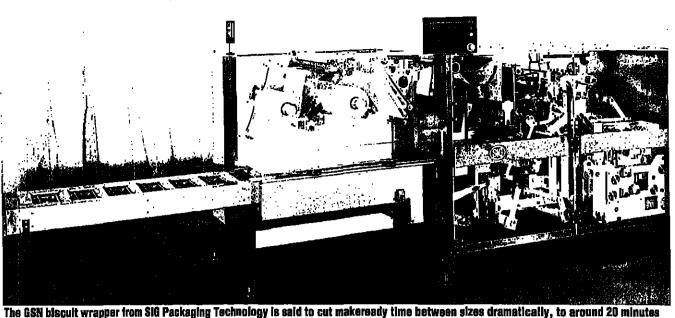
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system answers

and alloys all

yours fears.



standing on edge, sandwiches,

Biscuit wrapper cuts length changeover time

Flexibility was the deciding factor in a UK manufacturer's choice of the GSN biscuit wrapper from SIG Packaging Technology in the first installation of this machine.

Launched at the last interack, the GSN cuts makeready ime between sizes dramatically, educing to around 20 minutes product size changes which might take an hour or two on other machines, says SIG.

"Once we became familiar with the machine, packet length

The Butler

design

build

solution

local Butler Bullders will then produce an

early, accurate cost and time scale, and will

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a fixed price

changeover was actually for branded products and achieved in less than six minwider pack size ranges - up to utes," says Jonathon Titterton, 400g with some retailers - mean engineering tehnical supervisor that many biscuit manufacturat Elkes Biscuits. Now the ers have to change their company is reaching its producmachines over four times a day. Elkes, which is part of the tion quotas in two shifts rather

Northern Foods Group, was than the previous three. Output can be up to 80 packs a minute. also said to be impressed by According to Warren the smooth and fast installation of the GSN. Line efficiencies Wharton, marketing manager at SIG, a more recent order for are already noticeably higher. another UK company included

Programming is via a touch screen. Square, rectangular and round biscuits can be wrapped crackers and similar products. A dual film reel is standard and an automatic film splicer is optional. Faults can be traced and remedied easily, says SIG (Meteor Centre, Mansfield Road, Derby - tel: 0332 626262). Pack length on the GSN

can vary from 100mm to 350mm, with corresponding ranges in width, height and diameter. Digital counters make accurate reproduction of settings possible. Operator ergonomics were another consideration in design, says the

After packs have been cut to fit the collated biscuits they pass around a six-piece folding wheel and end seals are formed

at three heater stations.

Kraft liner offers a uniform whiteness

Good appearance, printability and physical properties are all said to be advantages of Celus-tar white top kraft liner from French manufacturer La Cellu-

a stipulation for 17 change

parts. The increasing demand

Greater emphasis has been placed on presentation with this product than with its predecessor, Celuprint. Evenness was a vital consideration, with a need to respond to market demands for uniform whiteness.

Results in a uniform lookthrough index were obtained by investments in sheet formation. As a compromise between traditional and layered white top, Celustar has the composition and fillers to support printing, while not resisting ink

Advantages to converters

include a good printing surface and resistance to folding. Cellulose du Pin reports a slightly higher optical density and printability index for Celustar than for competitve materials. Other physical properties include good shock and perforation resistance and clean dust-free cutting.

"Celustar makes for cases that will look good throughout their lives, as its printability is guaranteed by exceptional surface strength and an extraordinary compression factor," says Cellulose du Pin sales director Claude de Fleurieu.

The specification of the

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WORDSWORTH CASH

READS A TOUCH OF

material has been made possible by changes to one of the company's lines at Facture. At the white layer formation stage a Valmet Tampella gapformer has been installed fed from a Tamflo H hydraulic headbox.

ment has been added for

rolling, winding and packing.

There is also an ABB profile,

weight and humidity measuring

system, with process control

White tops have eaten into

market share of both white

sided and unbleached kraft lin-

ers, says Cellulose du Pin. Its

first white top liner - Celuprint

RCLE NUMBER KI

- was produced in 1986.

from a Honeywell TDC unit.

A starch sizing unit, which uses a process associated more with the printing industry, has been added, offering consistency of coating, says the company (BP41, 33380 Biganos, France - tel: 010 33 56038940). At the end of line, Valmet and Nipco Escher Wyss equip-

dividend"

"The design intent was to

Bill Brown, product manager for the Eastman Kodak Company in Rochester. "The great dividend was that we were able to enhance the character of the package by using material supplied by Eastman Chemical Company, adds Mr Brown."

The Cameo family of cameras are the first Kodak consumer products to be introduced in packaging of Kodar petg copolyester from Eastman (UK: Brindley House, Corner Hall, Lawn Lane, Henrel Hempstead, Herts HP3 9YT - tel: 0442 241171).

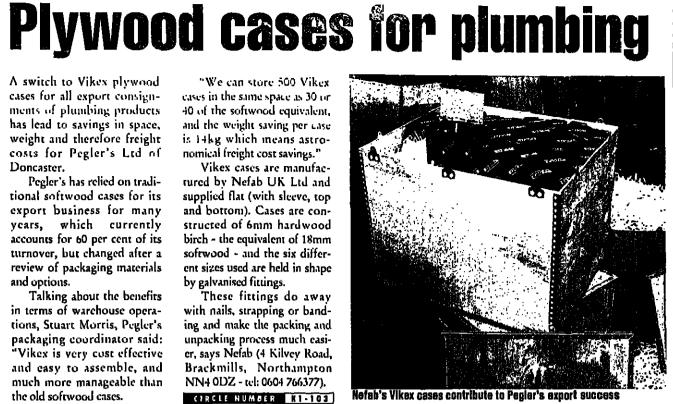
be the product's equal in CIRCLE NUMBER [11-104]

Pakex & Process Ireland:

Ireland '94 are promised a single, one-stop show to see the latest developments in packag-

It takes place at the National Exhibition Centre -The Point Dublin on 19-20 October and, according to organiser MacCann McGuirk Presentations, the show will cut through the multitude of exhibitions to deliver a total

"A total showcase"





elligi Nosqin orilizi mali izidligi izid kapetet izide ette enale. Andustev vicio etaqua experimente.

CIRCLE HUMBER | K1-430

by galvanised fittings.

The petg blister adopted by Eastman Kodak for Cameo Camera

Petg blister matches ingenuity of product

Winner of the Award for Excellence in retail structural design at Chipak, the Institute of Packaging Profession-als (IOPP) 1993 packaging design competition in Chicago was this petg blister adopted by Eastman Kodak Company for its Cameo Camera product line.

A switch to Vikex plywood cases for all export consign-

ments of plumbing products

has lead to savings in space.

weight and therefore freight

costs for Pegler's Ltd of

Pegler's has relied on traditional softwood cases for its

export business for many

years, which currently

accounts for 60 per cent of its

turnover, but changed after a

review of packaging materials

in terms of warehouse opera-

tions, Stuart Morris, Pegler's

packaging coordinator said:

"Vikex is very cost effective

and easy to assemble, and

much more manageable than

the old softwood cases.

Talking about the benefits

Doncaster.

and options.

'Material 🦈 offered great

create a package that would

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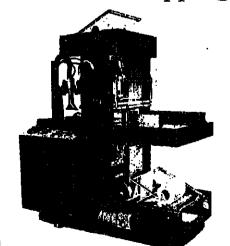
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CIRCLE NUMBER 11-494

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ing and food processing.

national packaging showcase.

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McCann McGuirk Presentations (Greenmount House, Harold's Cross Road, Dublin 6W - tel: 532497, fax: 544179). CIRCLE HUMBER K1-105

CIRCLE NUMBER | K1-444

PACKAGING NEWS/JANUARY 1994

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Business Services, Moosacherstrasse 14. CH-8804 AU/ZH Switzerland - tel: 01-781 30 40, fax, 01-781 15 69 7-8 December

Packaging in the food industry Course, Leatherhead. Pira International

7-8 December Product and Image security Two-day conterence, the Grand

Krasnapolsky Hotel, Amsterdam, Cowise Management and Training Services Ltd. 131 Southlands Road, Bromley, Kent BR2 90T - tel: 081-313 3713 B-9 December

brabnetaorus to not significant

Course, Du Pont Customer Technology Contre, Stevenage, Herts, Sarah Fraser, Du Pont Printing & Publishing - tel: 0438

9 Decembe Adhesives for a friendly environment

Conference, Society of The Chemical Industry, Belgrave Square, London Mr S G Abbott, Secretary IOM Adhesives Group, SATRA Footwear Technology Centre, SATRA House, Rockingham Road, Ketlering, Northants NN16 9JH tel: 0536 410000

9-10 December Packing dangerous goods for transport by air 4 Training course, Melton Mowbray, Leics.

The Institute of Packaging - tel: 0664 15 December Professional print buying purchasing and management

Seminar, Leatherhead, Pira International - tel: 0372 376161

18-19 January Strategic purchasing

Intensive forum, Forte Crest, Bloomsbury, London W1 Phil Savage Strategic Purchasing Conterence - tel: 071-412 0141

19-20 January BQLA International '94 Growers exhibition, National Exhibtion Centre, Birmingham, Malcolm Taylor, BGLA Ltd, 22 Long Acre, London WC2E

9 February Introduction to labels and labelling technology

9LY - tel: 071 235 5077

Two separate teach-ins, the Grand Hotel Krasnapolsky, Amsterdam Clare Brophy, event coordinator, Co-wise Management and Training Services, 131 Southlands Road, Bromley, Kent BR2 9QT - tel: 081-313 3713

10-11 February

Product and image security Two-day conference, the Grand Hotel Krasnapolsky, Amsterdam. Clare Brophy, event coordinator, Co-wise Management and Training Services, 131 Southlands Road, Bromley, Kent BR2 90T - tel: 081-28-4 February/March

Plastindia 194 International plastics trade fair, New Delhi, NOWEA International, Mr Herbert Slark, Postlach 10 10 06, 40001 Düsseldori - tel: +49 211 4560-721 27-1 February/March

Recycling 1994 Exhibition, NEC, Birmingham, EMAP International Exhibitions Ltd, 12 Bedford Row, London WC1R 4DU - lel: 071-404

2-3 March National Packaging Plus

Exhibition, Wembley, London, David Shepherd, AES Events Ltd. 10 High Street, Purley, Surrey CR8 2AA - tel: 081-668 9229, fax: 081-668 9239

Terratec Trade fair and congress for environmental engineering and environmental protection, Leipzig, Germany, Intech Overseas Fairs Ltd, P 0 Box 142, Rochester, Kent MF3 7NR - tel-0474 824092

8-10 March **Creative Packaging** Show, NEC, Birmingham, Reed Exhibition Companies (UK), Oriel House, 26 The Quadrant, Richmond, Surrey TW9 1DL - tol. 081-948 9800

DIARY

12-14 April

Solidex 94

18-21 April

Exhibition

tel: 0908 561444

30-4 April/May

2-8 May

Macropak

10-12 May

Solids handling exhibition, Harrogate

Trinity Ltd, Times House, Station

TRI-PEX '94 Plastics & Rubber

Exhibition, Expo Centre, Sharjah, United

Arab Emirates, TRI-PEX '94 Plastics &

Crownhill, Milton Keynes MK8 OAY -

National International Safe Transit

Rubber Exhibition, P O Box 923,

Association conference

Conference, Las Vegas. NISTA

headquarters - lel: 312 645 0083

Exhibition, the Ulrecht, Jaarbeurs, The

Organisers, PO Box 8500, 3503 RM

Utrecht Holland - tel: +31 30 955911

Control and Instrumentation

Exhibition, the National Exhibition

Enlerprise Public Relations, 165

6SH - tel: 071-938 2319

tel: +49 211/4560-720

17-19 May

Northprint '94

tel: 081-948 9800

Centre, Birmingham, Stephen Ward,

Kensington High Street, London W8

Trade fair, Beijing or Shanghal. Nowea

Postfach 10 10 06, 40001 Düsseldorf -

Graphic arts event, Harrogate, Katrina

Asia-Pacific Coatings Show

used in the manufacture of paints.

International Publications Ltd,

Queensway House, 2 Queensway

Redhill, RH1 10S - tel: 0737 76861

Exhibition of chemical raw materials

printing inks and adhesives, the Hong

Kong Convention and Exhibition Centre, Hong Kong. Jane Malcolm-Coe. FMJ

Rowbury, Reed Exhibition Companies

International, Ms Ute Windhausen,

Leipzig Packaging Fair Trade fair with symposium on packaging and the environment, Intech Overseas Fairs Ltd. P O Box 142. Rochester. Kent

ME3 7NR - lel: 0474 824092 13-17 March AgroWorld '94 Exhibition for agriculture, food and food

processing companies, Alma-Ata, Kazakhstan, Comtek International, 43 Danbury Road, Willon, Connecticul, USA 06897 - tel: (203) 834 1122, fax: (203) 15 March

Propack 94 Conference, 1 George Street, London. Sue Wallis, Propack 94 conference manager, Pira International, Randalis Road, Leatherhead, Surrey KT22 7RU tel: 0372 376161

14-18 March Recycle '94 Conference, Congress Centre Davos, Switzerland, Maack Business Services. Moosacherstrasse 14, CH-8804 AU/ZH

Switzerland - tel: 01-781 30 40, fax: 01-781-15-69 20-23 March Foodex Maatex 94 Exhibition, NEC, Birmingham. The Organisers, PO Box 30, Harrogale, N Yorks HG1 2EW - tel: 0423 525811

Environmental Technology '94 Exhibition, National Exhibition Centre. Birmingham. Sara Binns, Reed Exhibitions, tel: 081-948 9940, or Adria Wilkes at Environmental Policy Consultants, tel: 071-372 7122

22-24 March Danish Packaging Fair '94 Fair, Odense, Denmark, Tage Christensen, project manager - tel: +45 66 15 55 35

24-29 March lpack-ima Exhibition, Frem Milano grounds, Italy Segreteria Operativa, Ipack-ima srl, 62 VIa C Ravizza, 1 20149 Milano MI - Iel: (02) 481 43 25/65

5-9 April Graphitec 94 Exhibition of graphic arts industries, Paris SEPIC, 1 Rue de Parc, F-92593 24-25 May Levallois-Perrel, Cedex - tel +33 1 49 Plastics high performance packaging

Conference, Düsseldorf, Sponsored by the European sections of the Society of Plastics Englineers, Professional David Tinsley, exhibition manager, DMG Information Media Ltd, c/o Noorderlaan 33, B-2030 Antwerpen - tel: +32 3 541 Approach, Ruislip, Middx HA4 8NB - tel.

18-19 June Pharmaceutical trade Fair, Leipzig, Germany, Intech Overseas Fairs Ltd, P O Box 142, Rochester, Kent ME3 7NR - tel: 0474 824092

20-25 June Corrugated 94 Exhibition, Villepinte, Parls. Reed Exhibition Companies (UK), Oriel House, 26 The Quadrant, Richmond, Surrey TW9 1DL - tel. 081-948 9800

6-10 July ITM '94 International trade fair, incorporating Printing & Packaging '94, Kuala Lumpur, Malaysia, BCI Overseas Fairs Division George House, George Road, Birmingham B15 1PG - tel: 021-455

30-3 August/September

Trade fair for the printing industry. Leipzig, Germany. Intech Overseas Fairs Ltd. P O Box 142, Rochester, Kent ME3 7NR - tel: 0474 824092 13-15 September Labelexpo USA '94 Exhibition, Chicago, Labelex Exhibitions Ltd, 131 Southlands Road, Bromley, Kent BR2 90T - tel: 081-313 3535 15-20 September

Packaging trade tair, Beijing or Shanghai. NOWEA International, Ms Ute Windhausen, Postfach 10 10 06, 40001 Düsseldori - tel: +49 211/4560-720 20 September

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20-23 Sentember

Two separate leach-ins, the Grand Hotel Krasnapolsky, Amsterdam, Clare Brophy, event coordinator, Co-wise Management and Training Services, 131 Southlands Road, Bromley, Kent BR2 9QT - tel: 081-

Convertex 94 Trade show dedicated to the paper, board, film, plastics and foll converting industries, NEC, Birmingham, Jane Harris, Marketing Manager, Reed Exhibition Companies (UK), Oriel House, 26 The Quadrant, Richmond, Surrey

TW9 1DL - tel: 081-948 9800 27-29 September PPMA Show Machinery exhibition, NEC, Birmingham. PPMA Ltd. Progress House, 404 Brighton Road, South Croydon, Surrey CR2 6AN - lel: 081-681 8226 28-30 September

FachPack 94 Trade exhibition for packaging, labelling and storage technology, Nuremberg. Nürnberg Messe GmbH - tel:







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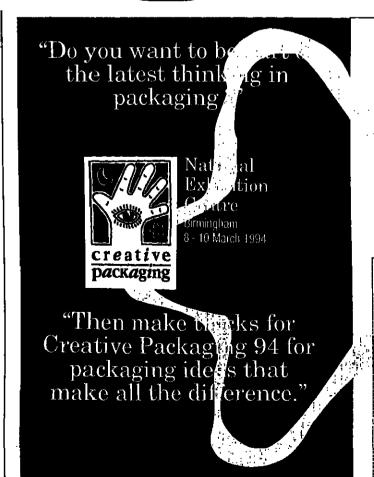
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Complete the coupon and send to: Creative Packaging 94. are carried out by LR, while the customer only has to concern Nexus Business Communications, Warwick House, Swanley, Kent BR8 8HY or telephone 0322 660070 itself with periodic audit checks. The system also means that the supplier knows the forward plans of the customer and so

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CIRCLE HUMBER K1-445

PACKAGING NEWS/JANUARY 1994

ADAS accredits hygiene

hygiene has been given to WR Grace/Cryovac's St Neots plant in Cambridge. This follows a year of preparation at the plant to meet control measures.

Alan Lyne of ADAS Cambridge said he was particularly impressed by standards at Grace. "It has been a much harder struggle in other companies to convince them why it is important," he said.

Training in bersonal· hygiene"

Four hundred staff at St Neots have gone through the ADAS half-day training course, which was developed with the Instirute of Packaging. ADAS gives training in personal hygiene, pest control and cleaning and disinfecting (0228 23400).

Due to the size of the

Supplier certification

offers time savings

Supplier certification is offer-

ing pharmaceutical companies

savings of up to 500 working

hours a year, says label and

now means that Upjohn Ltd

no longer considers that there

is any need to check or count

labels on delivery from LR.

"We looked for a supplier who

could meet our stringent certi-

fication criteria. There are far

more savings to be made this

way rather than changing sup-

plier for the sake of shaving a

very small amount off the

price," says Terry Smith, pur-

can invest to complement them.

According to Geoff

Harmer, senior buyer at

Upjohn, under the companies

PABR (processing allowed

before release) system, proce-

dures that would have taken up

to seven days have been done

away with. Paperwork has

been drastically reduced, and

chasing manager at Upjohn.

Three years of monitoring

leaflet printer LR Healthcare.

Cryovac plant, a video was shot which picked out areas for improvement. This video has since been used for training other companies applying to the scheme.

David Joll md of Bernard Matthews who presented the award to Chris Woodbridge works manager at St Neots said he was very impressed that WR Grace has achieved accreditation so quickly. In particular, since under the Food Safety Act 1990 Bernard Matthews will now be able to claim that its supplier is taking "all reasonable precautions" and exercising "all due diligence".

WR Grace plans to introduce similar standards at its other plants world-wide, starting with its French operations early 1994 (Northdale House, North Circular Road, London NW10 7UH - tel: 081-965 0611).

Currently, there are around eight packaging companies in the UK which have

orders can now be faxed. Ar

EDI link will be the next stage.

all stages of production at LR

through a pc-based system.

The amount of paperwork

accompanying each job is

reduced to a single combined

QA and press progress card,

with all other information

Later this year, Upjohn is

expecting to certify its supplies

of leaflets from LR (1 Bushey

Security is clearly a vital

Close, Kenley, Surrey CR2

element in the procedures

within LR. Security audit

checks are carried out at least

five times during the process

from order to finishing. Unless

the plate file/security number

corresponds to a particular

label/material combination,

authorisation must be sought

times are 15 working days on

orders requiring new origina-

tion and seven on repeat orders.

Last year LR set up a second site

in Wrexham to service the north

and the midlands. Two Gallus

CIRCLE NUMBER TILLIZ

R200s have been installed.

According to Mr Riggs, lead

before continuing.

5AT - tel: 081-668 0627).

remaining in the system.

Monitoring takes place at

50-odd are in the process of

`Developedwith the support of Food Check

 The Royal Society of Health (RSH) has also developed a food hygiene accreditation scheme for the food packaging industry. It was developed with the support of Food Check, the UK food consultancy, and piloted in collaboration with Alcan Ecko and Slade Packaging.

The first company to be accredited is Kelly Packaging. Four specialist companies have been approved to provide advice in the application of the scheme and the interpretation of the Code of Good Practice. CIRCLE HUMBER X1-112

director at Waverley.

Blow-fill-seal sterile boost

Annual blow-fill-seal (BFS) output of sterile products is being hoosted at Waverley Pharmaceutical by up to 5 million units with the installation of Rommelag's first 360 machine.

Replacing two Rommelag 302s, the 360 will be used in the production of Waverley's Steripak range of eyewash and its Pourpak surgical solution. The machine will also be available for contract packing of injection and other sterile solutions.

The machine also provides increased sterility assurance, says Waverley (Goddard Road, Astmoor, Runcorn, Cheshire WA7 IQE - tel: 0928 579110).

"The combination of high quality assurance and costeffectiveness offered by the BPS process is making it an increasingly attractive option for pharmaceutical manufacturing," says lan McAffer, marketing

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CIRCLE NUMBER | KI-421

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It's called NorFlute.

The finest flute board ever.

From Norwich Corrugated Board, of course.

NorFlute is amazingly versatile, taking fluted boards into a new era and offering, for the first time, all the benefits of corrugated board to carton board users.

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Don't lose a second. You've already waited long enough. Call our sales department now, on (0603) 660041 for full information.



Fishergate, Norwich, NR3 1SJ

This ad has been reproduced onto actual size NorFlute with a very light (75gsm) liner.

CIRCLE NUMBER | KI-416

Here, we focus on The Industry Council for Packaging and the Environment - Incpen - an organisation that boasts nearly 70 members from all sectors of the packaging chain. Gail Lea reports.

were set up, who are the members and what are their main functions.

Back in 1974, the Institute of Packaging convened a meeting attended by 50 companies to

discuss 'Packaging's Social In June of that year, a coordinating committee agreed to a constitution and a title -The Industry Council for Packaging and the Environment (Incpen) - and it was felt

needed over the next five years to fund the work programme. Companies that supported this new organisation were: Metal Box Co, Dickinson Robinson Group, Cadbury Schweppes, British Home Stores, John Waddington Ltd. Rose Forgrove Ltd and Bowa-

that £20,000 per annum was

ter Packaging Ltd. They appointed the Rt Hon Christopher Chataway as chairman. April 1975 saw the official launch with 23 member companies, and a year later it had 60, had published three edi-

tions of the Journal and five discussion papers. Peter Davis, the current chief executive, believes that this 20-year track record is what makes Incpen the respected, factual authority on environmental issues it is roday.

"It was a very far-sighted move by the mainly packaging firms who had started to realise that environmental concerns were being distorted to members of the public and that they should do something about it," he says.

Today, it is not only packaging firms that make up the membership, but companies involved in all aspects of the manufacture, use and distribution of packaging and packaged goods, otherwise known as the packaging chain.

The umbrella status means

members operating at every stage in the packaging chain, and explain the function and

effects of packaging as a whole. This is said to provide it with a key role in the collection and dissemination of relevant facts, which are regularly published in newsletters, fact sheets, journals and education-

al books for both members and

external audiences. It is sometimes criticised for trying to represent too many different interests with the resulting action seen as weak. Inopen, however considers its multi-sector membership to be a strength, as it is the only organisation that provides a snapshot view of the packag-

tional perspective. "Our recent work and our involvement with the Producer Responsibility Industry Group (PRG) shows that we have a strong involvement with Government and are being asked for opinions in this work," says Mr Davis.

ing industry from an interna-

"Aiming to achievebalance and acceptance 🤃

Incpen 1994 aims to achieve a balanced and accepted understanding of the benefits of packaging to society and its environmental and eco-

To achieve this, six key objectives have been identified: to be identified as the factual authority on packaging and the environment to lead the debate on pack-

aging and the environment to promote the positive



executive of incpen

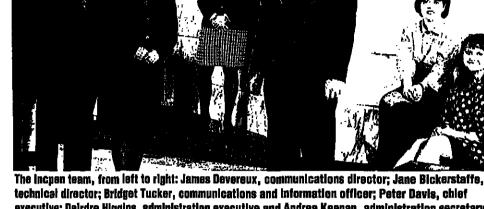
environmental benefits • to ecourage responsible industrial practices and pack-

• to seek to ensure that any legislation introduced is balanced, environmentally effective and non-discriminatory • to act as a voice for the Incpen membership on packaging and environment issues.

The work of Incpen to achieve these objectives takes many forms, but there has been a shift over the last few years to be a more proactive organisation in many areas. Media relations, education and political lobbying are a constant part of the day-to-day activity.

Press briefings have increased, especially with the nationals and, says Mr Davis, Incpen is now seen by many of the broadsheets as the natural port of call for journalists seeking information on environmental issues. Next to be targetted will be the tabloids, regional press and Women's

glossy magazines. "This activity is very important as the EC Packaging Directive and the Gummer ini-



technical director; Bridget Tucker, communications and information officer; Peter Davis, chief executive; Deirdre Higgins, administration executive and Andrea Keenan, administration secretary

in the early part of this year and the profile of the issue will increase. We want the public and politicians to be informed before the event, and we have been putting forward the argu-

ments over the last few

months," savs Mr Davis. "We have to be proactive and get the message to the media and politicians before the issue is raised."

As well as dealing with the media, there is a lot of activity in the political arena. Evidence has already been submitted to the Environment Select Committee and briefings offered to MP's. All of them have asked for a copy of the evidence, the Labour MP, Andrew Bennett, asked for a meeting and three Conservative MP's attended the recent annual lunch.

"I think we are also seen as the facilitator of contact between the industry and Whitehall, with whom we have a good relationship, but the work with MP's will be stepped up."

Plans for 1994 include more work with local authorities and, more specifically, Council Officers to keep them informed of the PRG plan and the thoughts of the industry.

"A lean 🦠 🐇 structure"

In terms of structure, Incpen is a lean organisation with three directors, comprising a chief exec, communications director

director (Jane Bickerstaffe) as well as three support staff. Further expertise is provided by member companies who are also represented on the Management Council and committees.

The core structure of the team was changed last year with the arrival of a new chairman - Michael Armstrong of ITW Hi-Cone - and the appointment of the chief executive, Peter Davis OBE. These changes were made to help the organisation to focus on the fast changing legislative con-text in which the packaging chain is operating.

Mr Davis' career encompasses seventeen years in industry, which includes time at Metal Box, now part of the CarnaudMetalbox Group.

He is no stranger to the political arena. A former leader of the opposition for Lambeth, he was appointed by Kenneth Baker to the DoE, with special responsibilities for the decentralisation of the GLC and Metropolitan County functions. He was then appointed head of Home Affairs at the Conservative Central Office

Research Department in 1986. For the last five years, he was the director responsible for marketing, membership and overseas affairs of The Royal Institute of British Architects (RIBA). During this time he was responsible for the RIBA campaign following the Prince of Wales' comments on modern architecture.

In operation, Incpen has

meet every six weeks with the exception of extraordinary meetings. These are:

Resources

 Communications ■ Legislative Affairs

This is likely to change again, however as the outcome of PRG may affect the overall structure. Once EC and UK legislation is in place, what will be the role of Incpen? Mr Davis is optimistic.

"A valuable part to play in the plan's formulation'

"Even after PRG, we will have a valuable part to play in formulating and working of the plan," he says. "We also intend to preserve our position on the data collection and analysis side, which is why we are working with the DoE on the National Waste Analysis Project.

"We will continue to raise our profile, and the industry's, with MP's as an insurance policy. One thing we must be aware of however, is that the Government has political needs too. "It is very important for the industry to recognise and understand this."

Incpen is based at Tenterden House, 3 Tenterden Street. London W1R 9AH - tel: 071**EXHIBITION**

1994



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PACKAGING/PROCESSING

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TOBER 1994

Edited by Ken Goddard



HELPING CUSTOMERS CHOOSE Coding Systems to Meet all Needs

In this edition of Willett Worldwide News, you will find information on a wide variety of applications. Indeed, the main purpose of the publication is to bring to industrial customers around the world useful information on real life industrial applications of coding and marking products and packages.

It is the aim of the Willett company to continue learning innovative and practical ways of providing solutions to coding problems and requirements by working with industrial managers in the field. Using this knowledge and experience, we can assist an ever-widening group of industrial clients to find the most appropriate means of putting codes and marks on a multiplicity of products. We all know that product identification has important implications for product traceability, the control of shelf life of perishable products such as foods and products with active ingredients such as pharmaceuticals. We also know that modern product lines often run at very high speeds and are technologically demanding and sophisticated, often being computer-controlled.

No two layouts the same

Most requirements for product coding have at least a degree of "uniqueness" or individuality. No two factory layouts are precisely the same, and the environment in which products are manufactured and packaged can vary dramatically, not only from country to country but from industry to industry. No single technology is appropriate for all coding applications and all Industrial environments. Over the years the Willett company has developed and marketed a broad and balanced range of coding systems. These include continuous ink jet printers, valve jet and impulse jet printers, free standing thermal transfer printers, a range of label printer/applicators and the simple means to apply codes and nformation on pressure sensitive or other types of labels.

For some customers laser coders have been the required

solution and Willett has made provision for this. The most recent edition to the Willett family of coders is the first in a range of programmable overprinters which has now been through field testing and is currently being launched world-



Willett's range of programmable overprinters can be integrated into an existing packaging line.

wide. The programmable overprinter makes use of tried and tested thermal transfer printing technology but is designed to print directly onto the web during processes such as form, fill

Direct printing a major plus

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In the food industry in particular, where containers are often automatically formed prior to filling, the availability of a direct printing process capable of producing high resolution alphanumerics, bar codes and graphics will be a major plus. Willett expects that many suppliers of form, fill and seal equipment and other systems using a web, which is often pre-printed and can be made of a variety of substances, will eventually offer complete systems to industrial customers,

Japanese Loan **Confirms Willett as Quality Supplier**

Willett has completed a loan guaranteed by the industrial Structure Improvement Fund of Japan, which is funded by the Japanese government through the Japan Development

The Yen 130 million, five year loan, arranged through, and provided by, the Bank of Tokyo, is believed to be the first awarded to any British company by this specialist agency whose function includes promotion of imports by foreign manufacturers into Japan. The loan, which will be used by Willett Japan to expand its business supplying Willett products to Japanese industry, replaces overseas financing provided from the parent company.

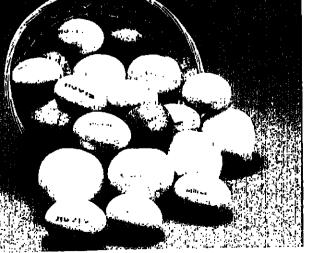
Speaking about the loan Willett Chairman Allan Willett said "I am delighted that Willett Japan's success has been recognised by the Industrial Structure Fund and the Japan Development Bank.

quality of Willett, both of our company and our products. Willett is now serving a rapidly growing customer base in

"Willett's philosophy, as a private company, is to ensure that overseas operations adopt local management and conform to the best business standards. We provide the seed capital investment to set up local subsidiaries but as they grow we expect them to stand on their own feet financially."







Once advertising is accepted on eggs there is no reason why Willett edible inks cannot be used to supply similar messages to other food products.

ing of advertising space on eggs, which is going ahead in Britain after discussion by EC Ministers, has been made possible with Willett technology. Willett pioneered the development of food grade inks for printing characters and designs on foods, including eggshells.

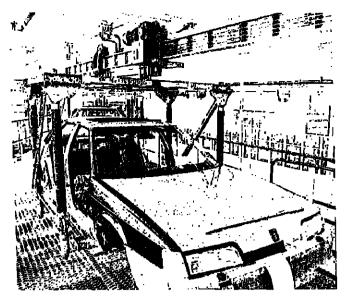
Research carried out by Eggvert Ltd, a company set up to promote the concept, has indicated that advertising on eggs is a cost-effective method of getting a message across. Eggvert has already installed 46 "Eggsignia" coding packages at the plants of major egg packers. These are dedicated packages based on Willett small character link jet printers.

'Eggvertising', a new marketing technique involving the sell-

The Willett Ink jet printers have been selected because their print speed does not slow down the high speed egg packing lines. They are being used with a Willett food grade ink specially selected for its clarity, fast drying time and good adhesion to the eggshell.

Willett has also supplied software which ensures that, even when a packer is using advertising from several companies, the advertisements do not get mixed up. The system ensures that all the eggs in one box carry the same message and the stores receiving the eggs get the ones they have asked for.





Car windscreens produced by SIV are now coded using ink jet printing. The codes are used to identify the screens during assembly and can be wiped off easily when the cars are ready for delivery.

Windscreen Marking **Automated**

The slow process of writing codes onto car windscreens by hand has been eliminated by the installation of two Willett small character ink jet printers at the plant of Societa Italiana Vetro (SIV) in Italy. In addition to speeding up the process, the Willett printers are also improving the appearance of the screens and making identification easier.

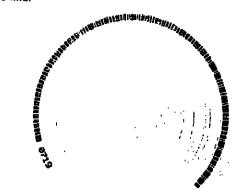
SIV manutactures windscreens for a number of major car manufacturers including Fiat, Lancia and Rover, as well as a wide range of other glass products. The screens need to be marked with details such as the part number, date and whether the part is recyclable. A four digit code is also added by the line operator on each shift. The main information is now fed to the Willett ink jet printers via the company's central computer and the operator code is keyed in by hand at the start of the shift.

As the information needs to be removed once the screen is installed in the vehicle, Willett has supplied a water washable ink, enabling it to be wiped away easily.

Bar Codes Added to Blood Analysis Kits

Willett small character and micro character ink jet printers are being used by California-based Abaxis to add bar codes to components of a blood analysis kit the company manufactures as well as to the bags used to hold the finished kits.

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A bar code is added to the cover of each kit before

Company of the Year Awards



Volker Gutjahr from Willett Germany and Enzo Benedetti and Marlo Cipolla from Willett Italy received Joint Company of the Year Awards from Allan Willett on behalf of their respective companies.

When the kits are produced the Willett 3820 micro charagter inklijet printer prints an extended interleaved 2 of 5 bar code and a lot number onto the cover of the kit. The bar code is used to identify the type of kit and calibration of the kit. The linished kits are then placed into Mylar bags which are bar coded using a Willett 3840 small character ink jet printer. One of the reasons for the choice of Willett ink jet printers was that it gives Abaxis the option of adding other information including the company name and logo at a later date and of using different color inks.

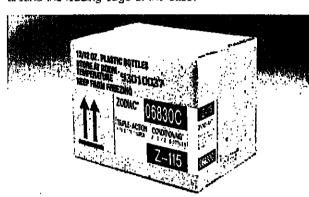
No More Pre-Printed Cartons

Cartons holding veterinary products manufactured by the Zoecon Corporation of Dallas, Texas, now carry labels bearing the large amount of information required instead of being pre-printed with the information.

Zoecon has been able to eliminate the need for pre-printing by using a Willett 2610/12 print/apply system. The company is able to fit all the information onto a 100mm by 200mm label and still has room to add a bar code in future, should this become a necessity.

The print clarity was one of the main reasons for the choice of a Willett system, as well as the flexibility of the system. which leaves scope for expansion in the future.

The label is applied to the side of each case at a rate of 20 to 40 a minute and a secondary tamp unit wraps the label around the leading edge of the case.



The Willett print/apply system has replaced pre-printed

Sack Coding System Copes with Dust

An ingenious system has been developed by Willett's distributor in Argentina, Rearch SRL, enabling Willett large character ink jet printers to operate in extremely dusty conditions and opening up new possibilities for lnk jet printing.

Robert Clarke, the first Willett Scholar, currently studying

at St.Catherine's College, Oxford University, England is

returning to the USA to attend Westpack. He has been

be joining a panel to discuss environmental aspects of

asked to judge at the Westpack Competition and will also

packaging and European laws and regulations concerning

Willett Scholar is

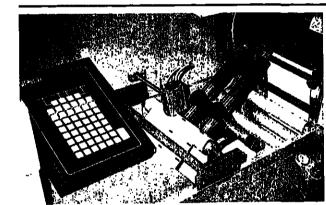
rid's

environmental issues.

Judge at Westpack

The first systems have been installed at a number of portland cement plants in Argentina and are being used to add date codes to the bags of cement. They use a Willett 3150 Plus controller located within a hermetically sealed box. The controller is linked to a Willett 707 printhead mounted inside a metal box which houses a small fan to keep it pressurised and prevents the ingress of dust. All connecting pipes and wires run within a hermetically sealed (lexible conduit to complete the system.

The sacks are coded as they travel along a conveyor from the bagging station. The printhead is mounted on a moveable arm and a roller under the printhead presses on the sacks to flatten them immediately prior to printing. There is also a special detector to sense when two or more sacks are together and avoid the possibility of the photocell - which triggers the coding - missing any sacks.

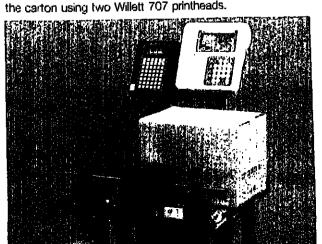


Roelants Printers is Schiedam, the Netherlands, is using a Willett 3940 twin head ink jet printer to number entrance tickets the company prints for several major customers.

Cheese Cartons Printed

Working with local OEM supplier Willett Sweden has helped develop a complete weighing and coding system for cheese producer Milko of Arvika in Sweden

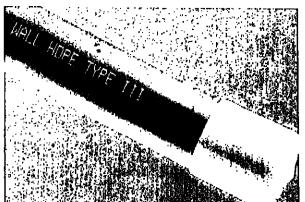
The system consists of a Willett 3150 large character inkjet printer mounted on a length of conveyor also litted with a weighing unit linked directly to the printer. The cheeses are packed manually into a tray which is then packed into an outer carton on a wraparound case packer. The finished carton travels onto the weighing a other information are automatically printed onto the sides of



A complete weighing and coding system has been developed for Milko in Sweden.

The system developed in Argentina copes with the dusty surroundings of a cement packing line.

CABLES CODED CLEARLY



All the cables produced by Integral Corporation now carry codes of the same quality.

The Installation of Willett small character ink jet printers has enabled cable manufacturer Integral Corporation of Dallas, Texas, to standardise the method of marking the cables on all its production lines.

Integral produces plastic contect fibre optic cable, television signal distribution cable and copper telephone cable. All arrenow coded with statutory information, product identification. numbers, company logos and length markings using Willett

9340 Plus inklyd proters with yellow promerted ink. The printers are located at the end of each production the and mark the vables immediately before they are visited ontodange worden spools

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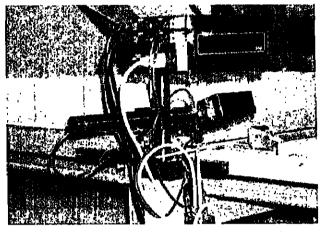
Prior to the installation of the Willett printers, Integral used. some inkiget printers from another manufacturer operating with a white ink, as well as heated roller coders which embassed the cable. The Willett equipment now produces consistent and easily readable codes across the entire prod-

Concrete Slabs Carry Codes

The ability of the Willett 3150-816 to produce a clear code on a rough and irregular surface made it the obvious choice when Betonwerk Beimbauer of Hohenlauben in Germany decided to start coding its products.

Betonwerk Beimbauer produces concrete slabs and kerb stones and recently introduced a system of coding which involves adding a date, company logo and control code to each pallet load of products.

The slabs and kerb stones are palletised in layers and transported along a hydroulic conveyor. The Willett ink jet printer is mounted alongside the conveyor and applies the required information as the pallet passes



Solutions a Speciality of Willett Denmark

Willett Contributing Editor Simon Allfree visits Willett A/S in Denmark, a company "greater than it's small" and talks to its Chief Operating Officer, Bjarne Brynee.

Willett Denmark, with headquarters in Vejle in Jutland and regional office in Copenhagen, the country's capital and Scandinavia's largest city, is well positioned to meet the needs of its industrial customers. These include many major international companies such as Carlsberg, Tuborg, Roulunds, IBM Distribution Centre, Dandy, Copenhagen Pectin, Lovens and many others.

Blame Brynee has been Chief Operating Officer of Willett Denmark since the company was formed in 1985. In recent years coding requirements in Denmark, as elsewhere, have become more demanding, as more and more variable information needs to be included on products and packaging.

Bjarne Brynee comments, "Coding requirements have changed dramatically in the last five years. Our customers are constantly seeking better print quality, reliability and economy. The recent introduction of the new generation large,

Denmark seen from foreign land Looks but like a grain of sand. Denmark as we Danes conceive It Is so big you won't believe it.

Why not let us compromise About Denmark's proper size? Which will truly please us all Since It's greater than it's small.

medium and small character Willett ink jet printers keeps the coding needs of our customers in the 1990s."

The need for printing bar codes is increasing, as is the

Willett in the forefront of this technology, enabling us to meet

need for supplying product identification equipment, incorporating conveyors, product handling devices, and special software. Bjarne Brynon explains, "The majority of our coding and labelling machines in Donmark are supplied as part of the system. For example, at the Danidy chowing guin factory in Vejle there are 68 Willott machines. We developed the special software and mechanical handling equipment to enable our machines to be linked into Dandy's computer-controlled automated packaging lines and thus meet specific customer requirements.

The high level of service provided by Willett Denmark and the reliability of the equipment the company has supplied have been instrumental in confirming the decision of many of Denmark's leading companies to choose Willett as Denmark's coding company - a company greater than it's

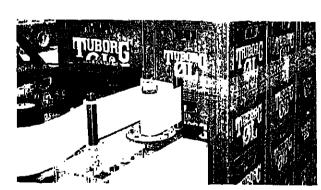
MAJOR BREWERY CHOOSES WILLETT SYSTEMS

On the largest bottling line at Denmark's leading brewery in Copenhagen, 33cl bottles are produced at the rate of up to 84,000 bottles an hour. They are placed in plastic beer crates and positioned onto pallets which need to be identifled by labels containing essential information. Willett Denmark has developed a system for printing and applying labels to both the sides and the back and front of the pallets containing the crates of beer without the need for turning the pallets.

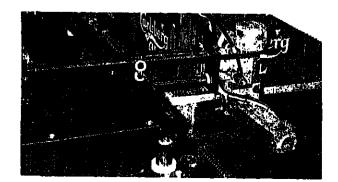
Willett has supplied two 2600 label printer applicators which are printing labels measuring 108 by 178mm with Information such as a product description, identification number, time and date of production, explry date and an EAN 128 barcode. All the information is downloaded from a central computer as the labels are required and as soon as they areprinted they are applied to the front and back of each pallet by the applicators mounted on moving arms.

Also at the brewery, smaller labels are printed with the required information and then applied directly to the front and back of the crates of beer by using an advanced automatic tamp applicator system specially developed by Willett Denmark and attached to a Willet print/apply labeller. For this application a special label material is used which stavs in place during transport but dissolves in water during the cleaning process leaving the crates ready for re-use.

On another bottling line, Willett 900 series large character ink jet printheads are used for coding onto the sides of cartons containing four six-packs of beer produced for export markets.



Above: Pallet labels are applied to a band of plastic film wrapped around the load. Below: An arm moves forward and applies labels to both sides of beer crates.

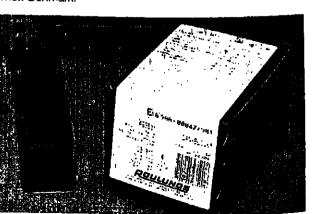


Labels Seal Brake Pad Boxes

A/S Roulunds Fabriker is a leading supplier of original equipment to vehicle manufacturers, including disc brake pads. Identification of component and package are as cruclai as ensuring that the right component remains in the right box until it is used.

To ensure this happens, a label containing information on the component, its part number, reference and quality number (in both human and machine readable form) as well as of the make and model number of the car and l gram of the component itself is printed and then applied over the front and top of the box so that the box cannot be opened without first breaking the label seal.

The labels are printed and applied by a system supplied by Willett Denmark.



The labellers apply labels across the corner of the box





The interpack exhibition provided the ideal opportunity for Willett senior management and distributors from all parts of the world to meet for an international conference held on the Willett boat moored by the exhibition ground.

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WILLETT GAINING GROUND IN THE LEBANON

Willett products already hold 50% of the lnk jet market in the Lebanon where they are sold through Willett distributor Zakka Multitec Sarl and even in the face of stiff competition from other manufacturers the company is increasing its market share all the time.

Recent examples of sales of Willett ink jet printers include small character printers for coding bottles of detergents and mineral water and large character printers for coding fruit juice and ice cream cartons.

SNCI, part of Fattal Holdings, recently became licencee for several Unilever products, and is using Willett small character printers to code their products.

Willett small character printers have also been selected by Sannine, one of five companies in the Lebanon bottling min-

Russians Start to Adopt Coding

Willett Russia has installed a number of Willett small character ink jet printers in the plant of Azov, one of Russia's main food producers, to meet the growing demand for best before dates on food products.

Azov packs fruit juices and purees into glass jars. Michail Epishin of Willett Russia says the requirement for coding products with variable information is increasing to satisfy the demands of both home and export markets.

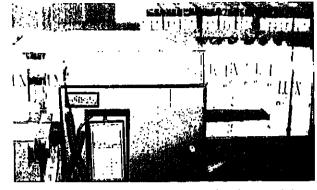
Azov says the lnk jet printers are also being used to apply the number of the shift during production and their use is helping to improve quality and Internal control procedures.



Date codes are now becoming more widely used In

The printers have been operating successfully for 24 hours a day, six days a week since their installation.

Fruit juice and ice cream manufacturer Libanjus has found Willett 3150 plus large character ink jet printers are not only ideal for marking its products but have also been able to help overcome a stock keeping problem by adding a number to

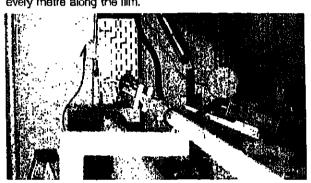


A Willett small character ink jet printer has improved the coding operation at SNCI.

Every Metre of Film Marked

Orbita-Film of Welssandt, Germany is now marking reels of film with sequential numbers placed at one metre intervals. thanks to a system installed by Willett.

The company is using a Willett 3840 small character ink jet printer operating with yellow pigmented ink enabling both black and white films to be coded. The printhead is mounted on a traversing arm and a shaft encoder triggers the print every metre along the film.



Using pigmented yellow ink both black and white films can

Helping Customers Choose Contd. from Page 1

with overprinters integrated into the line. It is expected that future generations of the programmable overprinter will be capable of printing directly onto the finished filled packages Including cartons.

Above: Sannine is the first mineral water bottler to adopt

ink jet printing. Below: Boxes are both coded and counted

Draw on practical experience

at Libanjus.

The introduction of programmable overprinters into the family of Willett coders extends the range of choice to customers seeking ways of dealing with the onerous business of product coding and, at the same time, minimising the cost involved and ensuring optimal production line effectiveness.

As the application stories in this issue of Willett Worldwide News show, from egg marking with food safe inks and advertising on eggs ("eggvertising") to the installation of coding equipment in the dust-laden environment of a cement works in Argentina, our way of seeking to give the customer the choice is to draw on practical experience gained at the sharp end. We welcome additional application stones and we invite any reader to bring to us a particular need or challenge in the field of industrial coding

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In the future, Willett's abilities to assist customers find the best means of coding in any particular inclustry sector or applications area will be enhanced by further investments in a group of people who will be focused on devoloping integrated systems where these are of particular importance. It has always been our aim to try and provide "complete products" rather than simply to sell coding devices. The new investment in a systems group, however, will provide the opportunity for us to work with customers on larger scale projects in the fields of industrial product identification. It is just another way of helping customers to explore possibilities and to choose the best approach to deal with coding and identification requirements.

Alan Barrell, Group Managing Director

Visitors Flock to Interpack Stand

Once again Interpack was a tremendous success for Willett and evidence of the company's presence at the show was to be found everywhere from the buses ferrying people to the halls to the walkways within the exhibition ground. Visitors could find the entire Willett product range on dis-

play and, with Willett personnel from every part of the world In evidence, they were sure to be able to find someone who could speak their language. Following an International press conference on the Willett boat, representatives of the World's trade press also came back to the stand to see the latest equipment from The World's Coding Company.



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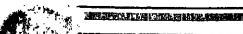
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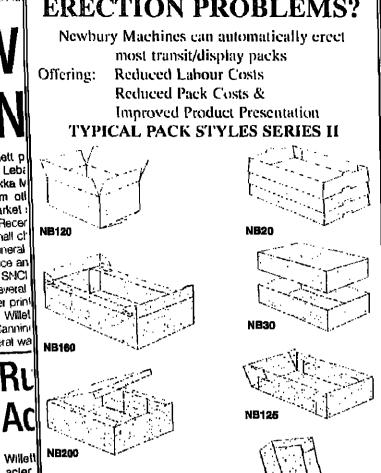






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has installed four new cad terminals to complete its threeyear development programme at a cost of £250,000. The terminals allow all electrical and mechanical design to be produced on the system's Hewlett Packard ME10 software design package. It will enable Europack to develop fast, flexible end-of-line packaging solutions to meet a customer's exact specifications.

Europack Engineering Co Ltd

Linpac Plastics International Ltd has been awarded the 1993 Plastics and Rubber Weekly Award for Environmental Excellence sponsored by the **British Plastics Federation for** the company's Restore foam egg cartons and clamshellstyle burger boxes using multilayer extrusion technology.

The products use a core of recycled ops foam that is laminated between inner and outer layers of virgin material.

Linpac is also to invest in Europe's first recycling plant for used polystyrene food packaging. It will guarantee the supply of reprocessed polystyrene for use in Restore and other products.

Perzold & Co (081-567 9920) has been made exclusive UK agent for marketing, sales and services of Hassia-Redatron, the German manufacturers of vertical ffs machines.

SCA Packaging Scotland is to invest £10 million in boardmaƙing, converting, material



COMPANY NEWS

equipment at the company's Edinburgh corrugated fibreboard manufacturing plant.

Ripack Sefmat, whose UK agent is Ballinger Rawlings, has instigated the creation of a French standard - For portable devices used in the shrinking of beat shrinkable film NF E 65-140 - from the French standards organisation, AFNOR. It is the first standard governing manual shrink tools in Europe, and has been obtained by the Ripack 2000.

Adpack Machinery Systems has taken on the sole agency for Florida-based Poly Pack, Key features of the machines, which are manufactured in the US and Europe, are sophisticated collating systems, dividing and stacking and the possibility of higher speed production.

Howden Packaging Equipment Ltd has acquired Karmelle Filling Systems Ltd, the UK manufacturer of volumetric liquid filling machines (0924 264 247). Karmelle will gradually transfer its business to Howden's new premises at Wakefield, which already houses the recently-acquired Rose Forgrove and Filling Machine businesses.

Storey Evans, the UK packaging printer, has commissioned a £200,000 extension to its Leeds factory. It will initially provide extra production capacity and warehousing facilities for the company's cartoning business.

or Chemicals is undertaking a three-year investment at its Wingles polystyrene plant in northern France. It will modernise its control systems, increase operational flexibility and reduce volatile organic compound emissions by up to 50 per cent.

Envases UK Ltd (0630 638953) has begun production at its newly -constructed plant in Port Talbot, Wales. The plant is owned by the Spanish aluminium aerosol manufacturers. Envases Metalurgicos de Alaya SA. It is only the second investment made by a Spanish company in the UK. The plant cost £17 million to build and will be expanded during 1994,

when two more production lines will be added.

Consolidated Plastics, the largest producer of polythene film in Ireland, has been acquired by British Polythene Industries plc. The business will be renamed CVP Ltd.

Mobil Plastics Europe has inaugurated its opp packaging films manufacturing site in Kerkrade, the Netherlands, first announced two years ago. The first production unit in the plant, an orienter for opp films with an annual capacity of 13,500 tonnes, was started up in September. This line brings Mobil's European capacity to over 72,500 tonnes per annum.

Eastman Chemical Company

has joined with four partners to find new uses and markets for recycled plastics. Eastman Chemical and Eastman Kodak will work with Waste Alternatives and Michigan Molecular Institute, teamed with the University of Florida. A branch of the US Commerce Department will provide a US\$2 million grant for the three-year research project, with the partners providing the bulk of the funding for the \$5.8 million study.

Bonar Carton Systems of Speke (051-486 1811), the latest acquisition within Low & Bonar nic's carton division, has announced a £3 million investment in a six colour Komori Lithrone 40 perfector printing press equipped with fully auto matic plate changing, and a Bobst SP-102-CER II cutter/creaser. It represents :IIM 6.13 & 10 886AQ 1211 &M Hon three year investment programme in equipment.

ACI Rockware Group has been formed to bring together: Rockware Glass Ltd. ACI Rockware Plastics, Decorpart Ltd, Dartington Crystal Ltd and Presspart Manufacturing Ltd as well as its US associate Presspart Inc. The new group will continue to be part of the ACI Packaging Group which, as a subsidiary of BTR Nylex, manages BTR plc's worldwide glass and plastics packaging

Elf Atochem UK Ltd (0835 870000) has reported sharp October/November Increases In

the price of pvc suspension resins, up by some £80 pmt for convertors. The 20 per cent increase is a result of strong demand for product in the Far East in quarters 2 and 3, which led to a significant increase in European exports.

A shortfall of product is likely to remain for the foreseeable future, and the higher level of prices is expected to be sustained.

Figgie Packaging Systems Ltd (081-965 4021) has merged its beverage and non-beverage divisions and George Freeman will now be vice president, sales and marketing for the new organisation. This move is said to ensure a single source for all Figgie Packaging products in the bottling, canning and packaging industries.

John Waddington pic has entered into a joint venture with Cartonmaster Internation al Ltd of Canada (CMI) following is acquisition of a shareholding in the Cheshirebased carton producers, Cartonmaster (UK) Ltd, for an undisclosed figure. At the same time, Waddingtons has entered into a licence agree ment with CMI for supply of narrow web carton presses.

Cartonmaster will continue to operate from its Congleton premises under its existing management team .

BlowMocan Ltd (0908 566666) will invest £5 million over the next 12 months to extend its manufacturing area from 90,000 to 120,000sq ft on its 6 acre site in Milton Keynes. Part of the spend will be on additional blowmoulding lines with an increased level of automation in materials handling and packing.

It is set to increase bottle production - standard and milk hdpe containers - by an estimated 50 per cent.

Amaigamated Plastics (AP), the Potters Bar based manufacturers of plastics film packaging products is expanding into new, larger premises with the help of a £1.75 milijon financial package from investment capital group 31. At present, the company operates from six sites, but will centratise operations by acquiring a 3.6 acre site adjacent to its

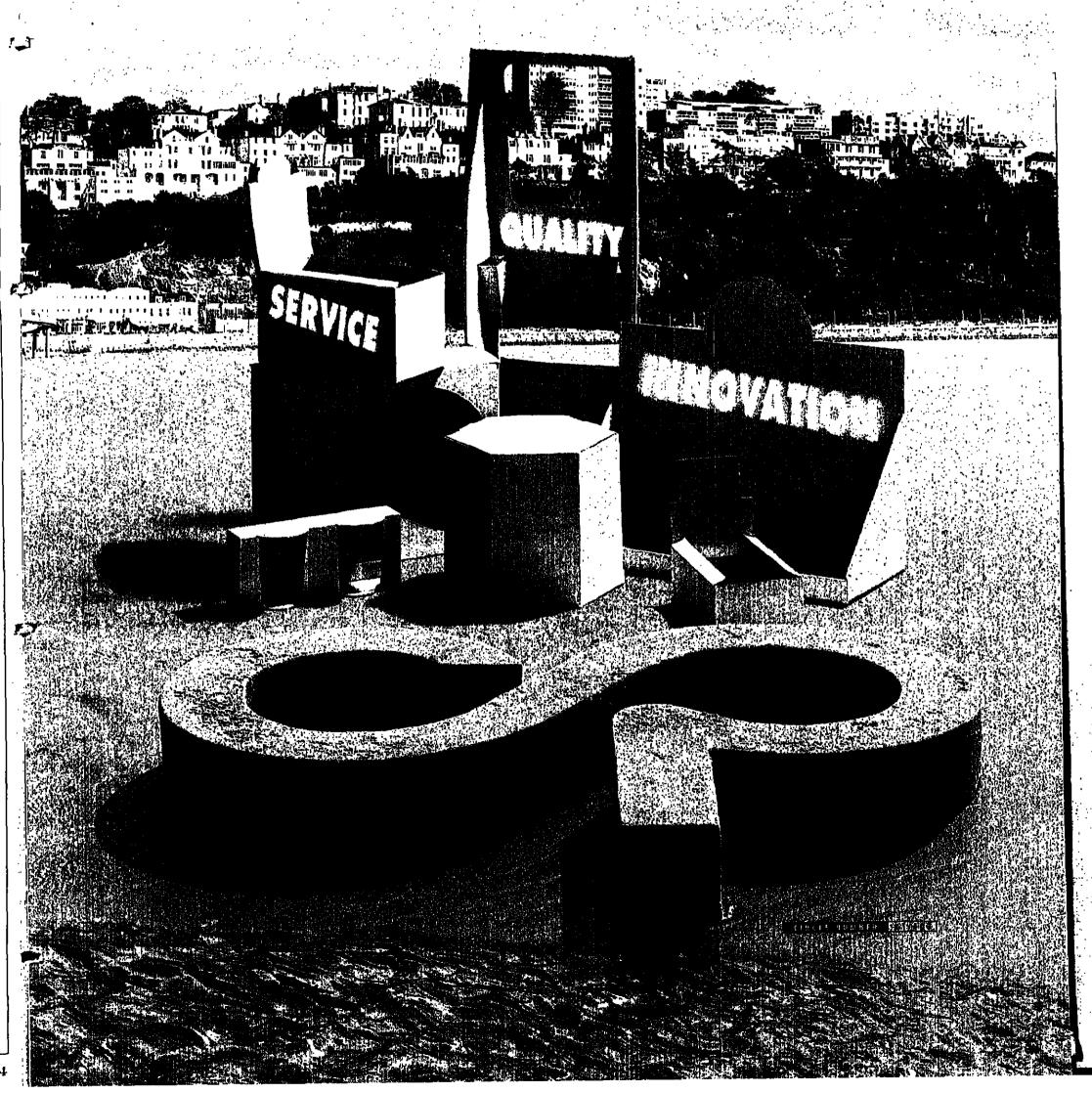
Swale Coatings and Inks Ltd has opened a new factory in Bristol to ofter a localised service to its customers in the South. The factory will also become the centre for the development of the company's inks and coating systems for the carton and roll label sectors.

Impetus Packaging Ltd (0536 401424) became Continental PET UK Ltd in December, when It was acquired by Continental PET Europe, which is itself part of Continental Can Europe.

ACI Rockware Plastics has installed the UK's first Aoki 500NL injection stretch blowmoulding machine at its Norwich factory, a move costing some £500,000.



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CIRCLE NUMBER -KI-419

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Environmental and health and safety legislation have driven many of the latest offerings in machinery, with last year's interpack, as well as the PPMA show, as a showcase for much of the 1993 equipment which we review here sector by sector.

Manual handling concerns have had an effect at all stages of production and packing, but particularly at the end of line, with a need for alternatives to manual palletising. As at other stages of the line, material saving has also been stressed.

While technological advances such as management control and information systems broke new ground in quality control, lower-cost systems were offered in labelling, marking and coding and such areas as resealability in flexible packaging.

Cartoning and traypacking is one of the areas to have been influenced by environmental pressure to reduce packaging, with robot pick and place assuming an increasingly important role. Higher speeds remained a major concern - in particular with sectors such as liquid filling - but as always this was a feature offered by machines across the board, as well as fast changeovers.

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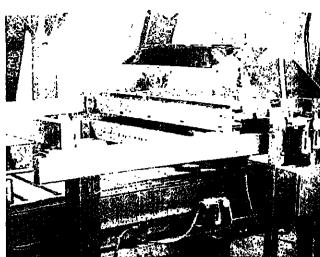
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CIRCLE HUMBER K1-446



four weigh heads operate, for up to 140 weighings a minute

A linear weighing system installed by Snackmasters at Abercarn to dose plastic pots with noodle-based product has achieved accuracies of 0.5g, speed up to 140 a minute and is particularly easy to clean, according to manufacturer Smarthall.

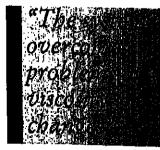
The four head Solus machine fits over the production line and each head is just 150mm wide, to save space, and operates over a short distance from hopper to weighpan to pot. Performance is continuously monitored by a central computer.

"Operates over a short distance from hopper

"This machine is capable of achieving performance levels better than any other machine. We required a fast and accurate system for our operations and the Solus provides this," says Errol Barker, managing director of Snackmasters.

Accuracy in filling was more important for Snackmasters than sheer line speed, with easy access to the workings of the unit as another priority. Indeed, according to Malcolm Davies, managing director at Smarthall (tel: 0885 482889) the Solus has space-saving and cleaning advantages over a multi-head weigher. While the Solus has only four pans and four feeder units to clean, an equivalent multihead would have 28 pans and 14 feed trays, he points out.

Setting up involves only the input of the total pack weight, and from this the computer cal-



culates the weight tolerance for individual product batches. Up to 50 product codes can be

stored in the system's memory. Motorised weight adjustment was introduced by W A Lane for its L-18 high output porates special light curtain senvertical ffs sachet machine, pro- sors for high and consistent between viscous and more free- Swiftpack (tel: C789 400880).

While accuracy and speed remained paramount in weighing systems, there were improvements in changeover time and ease of

flowing products.

cleaning.

The system overcomes problems of viscosity changes in products as ambient temperature rises or talls, avoiding the usual need to stop the machine for adjustment.

It also solves the problems experienced by fillers handling products of different viscosities. Providing the viscosity difference is within a fairly limited range, these products can be runconsecutively with no machine downtime, suggests Lane (tel: 071 434 3778).

The system, which operates by increasing or decreasing filling piston stroke via a motor, is available as a retrofit on L-18 systems and can also be connolled via a closed loop from a down-line checkweigher.

"It can be controlled via a closen

Additions to the Z Series of multi-head weighers were announced by manufacturer Ishida (Europe), including a ten-head version said to allow accurate performance at higher speeds previously only possible on the 14-head model.

An enhanced version of the 14-head weigher was introduced, offering features to simplify operation and reduce maintenance, which will become standard on all models across its range, says Ishida (tel: 021-541 (441).

For tablet counting, Swift-pack Automation launched the SPC 4P machine, designed as a cost and space efficient table top unit for small to medium volume production lines.

It is possible for the system to be supplied for beach mounting or as part of a fully automated system and it incorviding quick changeover count accuracy, comments

Filling technology of

The idea of applying blow-fill-seal aseptic filling technology to Blow-fill-seal aseptic filling technology for sett one-trip drinks currently drinks emerged in 1993 as a potential competitor packed in cartons was put forto liquid-fill cartons while, in conventional inward by West Yorkshire-based MB Manufacturing Consulline liquid filling, there was evidence of higher tants, which developed what is claimed to be the first British speeds and reduced changeover times. designed and built blow-fill-seal

means there is no need to adjust

tions. In some cases the heights

even stable bottles would bene-

tem, since positioning for filling

Indeed, according to Boots,

do, however, vary.

Up to now applications guide bars or filling head posihave been predominantly in the pharmaceutical industry, where higher levels of sterility, confiof the filler and cap tightener dence and cost advantages over traditional filling methods have been claimed. However, according to Ray Sheppard, designer fit from the use of a puck sysof the new FAF system, advantages of reduced bottle and cap stocks and lower space requirements are equally applicable in the soft drinks industry.

"One of the main advantages of bis is that you can see the product you're buying, and because the polymers used are recyclable it is also a more environmentally friendly solution for one-trip drinks," he says.

Blow-fill-seal also has advantages over glass and conventionally formed and filled plastics bottles, which have to be sterilised between manufacture and filling, says MB Manufacturing Consultants (tel: 0829 41438).

In conventional in-line liquid filling, an installation at Boots Contract Manufacturing demonstrated how the increasing use of puck-based systems is automating the operation and removing the speed limitations of unstable containers.

Boots has installed a Technofill filler from C E King (tel: 0932 565191) to handle shower gel-type containers which, unable to be stood upright, were previously filled by hand at around 18 a minute.

Dubbed 'tottles' because of their combined tube and bottle characteristics, the containers are now placed in pucks and filled at 40-50 a minute.

Tottles vary in size between 40 and 200ml but all pucks have the same outside dimensions. When product, pack type or fill volume change, different pucks Airdrie plant now says it will machines can fill a range of container shapes up to 400mm high consider using pucks for filling with liquid and viscous products. other products, having seen the container stability and fast Masterfil also launched a

Settings can be changed over

automatically with only the lane

guides requiring manual atten-

ual product can be drawn to the

first filling head, so ensuring

there is minimal wastage, says

For valuable liquids, resid-

tion for a change of container.

changeover achieved with the new filler, the S1000-HS benchtop mounting semi-automatic Quick size change - within unit, which replaces the floor-10 minutes - was put forward standing model previously supby Ocme as a principal advanplied by the company for the tage of its first in-line filling machine, launched at interpack. According to Masterfil (tel: 0296 25001), the \$1000-HS

Two versions of the Lynx system give capacities from 50ml up to either 2.2 or 5.5 other benchtop piston machines

is so much more accurate. The Ocme (tel: 0635 298171). The special electronic circuitry is passed down the production line to measure and detect the total magnetic field to which the closure is exposed. This data is then converted into an electrical signal and a digital read-out display to confirm that the system is operating correctly explains

Van Leer Closure Systems (tel 0482 826666). For aerosols, KP Aerofill, part of the BWI Group, requires less working area than launched a rotary filler at interpack offering faster changeover, improved can handling and easier cleaning compared with earli-er models. The A16 Starpak supersedes the M16 and M20 machines and incorporates a

> Also at interpack were two w powder fillers from All-Fill International.

The Minifill auger filler will dispense weights in the range of 100mg up to 500g and can be used manually or semi-automatically for dispensing powders, granules and flakes. It is also adaptable for lotions and creams or pastes, says All-Fill (0767 691100) and has product contact parts in either 304 or 316L stainless steel.

The company's Servo Driver auger filler was shown with an optional touch screen display and features a second dribble fill, on-line weight display, set point filling, automatic scale calibration, and a statistical data package.

Meanwhile, Van Leer Cloaire Systems won a five-year contract to supply 45mm closures to ICI Agro Chemicals as a result of its new Sure-Seal system, said to overcome errors and inaccuracy often found in induction scaling operations.

The Sure-Scal system combines a specially developed induction heat seal closure with an improved wad, and a special coil design on the induction heat sealing machine together with a patented setting and quality control aid.

Quality control is monitored by the 'Policeman' system in which a dummy closure with

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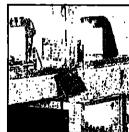
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Packaging Equipment and Systems

PACKAGING NEWS/JANUARY 1994

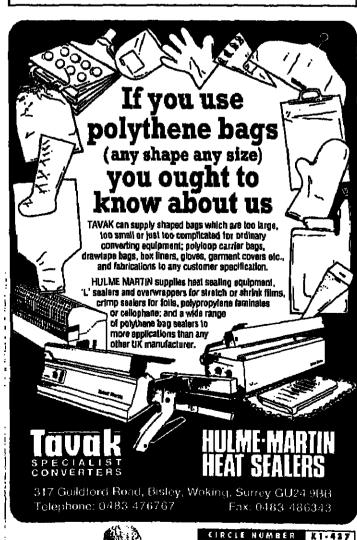
oneumatic control system for etter access and easier maintenance says KP (tel: 081-848 4501). CAR ACT

The Lynx volumetric filling machine by Ocme fills 1 litre oil containers at 90 a minute

HULME-MARTIN LTD ARE RELOCATING THEIR SALES OFFICE & MANUFACTURING **FACILITIES TO LARGER PREMISES** AT BISLEY SURREY.

The new single site will combine production, sales and service with the specialist converting activities of their subsidiary TAVAK.

The move avoids the limitations of operating a factory in the centre of London where this long established company has been based for many years.



Efficiency lift for inkjet printers

Two principal developments stood out in labelling, coding and marking machinery: the advent of lower cost inklet printers and the arrival of electronic thermal overprinters to apply the date and lot codes usually printed on cartons and flexible packaging by hot foil coders. Speed and accuracy improvements were recorded in both decorative pressuresensitive labelling and in the print and apply barcode labelling field.

September saw the introduction of a small character continuous inkjet printer from Videojet Systems International, priced at £4,750 for low volume manufacturers or larger operations with just basic coding needs. According to the company's UK general manager Adrian Shepherd, the Videojet 37E "brings the peace of mind of continuous inkjet into the drop-on-demand market for the first time".

Despite the \$4,570 price tag, the machine still includes many features of existing Videojet equipment, such as the patented fluid control system and SurcPrint software. These are said to ensure an efficient use of ink and give the machine the ability to monitor its own performance.

Indeed, for the first time, the market is offered a low cost printer with the fluid control of the world's most economic continuous inkjet printer, claims the company (tel: 0707 275844). The 37E operates at 37 metres a minute and can print single or twin line alphanumeric codes up to 40 characters long. It can serialise, automatically advance expiry dates, as well as real date and time, in character heights

ranging from 2.8 to 4mm. For case coding, a low cost inkjet printer able to provide three character heights up to 22mm in any combination was launched by Padlocker (tel: 0264 357511).

This self-contained unit, the Multi II, can hold data for up to under £10,000. The twin head 177 different messages in mem- system, shown for the first time

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ory, while four automatic codes corresponding to different shifts over 24 hours can also be pro-

A new generation small character inkjet coder for printing up to four lines of variable information, including bar codes, from a single print head, was launched at interpack by Willett. Called the Willett 3900, it will print up to 2133 characters a second and is available as single or twin head options. In particular, the unit

is compact, easy to install,

operate and maintain says the

mpany (tel: 0536 400777).

lower cost, Cueprint ann-

ounced a new version of its

Classic inkjet barcode and

outer case coder, selling for

Continuing the theme of

at the Creative Packaging exhibition in March, operates at speeds up to 60 metres a minute and is able to store information for 200 barcodes in memory.

"Our market research has shown us that of the three areas this equipment serves, namely generic case printing, large character printing and barcodes, by far the largest requirement was for barcodes," says Cueprint md Tony Coleman. A high resolution inkiet

sharp characters, graphic

designs and barcodes "very

close to pre-print quality" at

speeds over 63 metres a minute,

manufacturer Marsh.

was shown at interpack by US

The system is able to pro-

duce characters 5-26mm high at

Pixel sizes down to a nominal

0.008in wide x 0.015in high.

Each print head can give up to

four lines of copy, while multi-

ple print heads can be used to

Messages can be changed

without stopping the packaging

line, providing fast changeover

and a significant reduction in

tel: 0342 313622),

print large graphics and logos.

capable of producing solid,

"The XYmark was value for money, met our operational requirements and, because it nvolves no inks or consumables, has additional savings and hygiene benefits," says Malcolm Mitchell, packing and engineering manager at Lyons Tetley.

There was also competition in the hot-foil coding market, with several manufacturers announcing programmable electronic thermal transfer

One of the first to announce a system was Prestek (tel: 0602 253220), which demonstrated its SmartDate machine at interpack. With a price and size which matches hot foil coders, the unit has been designed as a direct retrofit for hot foil systems and will fit easily onto existing form, fill and seal as well as labelling machines. "We have concentrated our development on the size of the unit to make it a true retrofit machine," says Steve Buckby, md of

potential errors, says Marsh (UK agent Lynch Technology -Prestek also launched a series of high-speed print and apply bar code labelling systems One new market to emerge for inkjet during the year was aimed at the variable informaegg coding, following governtion coding requirements of ment acceptance of recommen-



CIRCLE HUMBER KI-409

MACHINERY REVIEW

on 'salmonella in eggs'. Appropriate inks were announced by most major inkjet manufacturers, with the latest, from Domino, incorpo-rating a self-disinfecting formulation capable of killing any microbiological or fungal contamination which may enter the ink, says the company (tel: 0954 782551). The new ink, RD4503, is soil-resistant on most

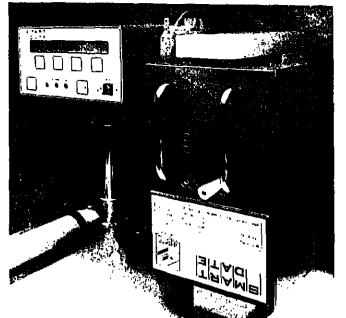
Microbiological Safety of Food

eggshells for 3-10 minutes. There was increased competition as well, between inkiet and dot matrix laser systems to mark best before and other codes, with Lyons Tetley for example installing an XYmark system from Lumonics Hull to code its tea cartons.

The XYmark 7000 is a dot matrix laser in which codes can be altered from the keyboard, without changing a mask, and is able to code through the overwraps of Lyons Tetley's cartons. t requires no routine cleaning or maintenance, says Lumonics Hull (tel: 0482 83 (154).

coders to operate either on-line or off-line, marking dates, batch codes and even barcodes if required on carrons, flexible packaging and labels.

dations put forward by the



Prestek's SmartDate electronic overprinter for on and off line use

print head able to operate at & Berkshire Machinery - tel: 250mm a second and, says Prestek, will maintain speed when extra variable information such as a time code and sequential number is printed in an additional, supplementary barcode. This means that typical 100mm long labels can be printed and applied at speeds up to 150 a minute, even when each label is

different, says the company. Also entering the print and apply barcode labelling market was Harland Machine Systems with the Pictor, described as a highly intelligent standalone system which can be integrated into different operations.

Two years' investment in oftware application technology went into the project with the result, says Harland (tel: 061-848 0622), that the Pictor is parricularly user friendly and gives value for money.

"Without w turntable

On the print and apply pallet labelling front, Logopak introduced its 820 P2 machine which meets ANA recommendations for two-side labelling without the use of a turntable.

Print width is 216mm, with the facility for printing up to A4 size for large character and other needs, says Logopak (tel: 0904 692333), while the machine can be operated without the need for a pc link, by virtue of Logopak's Leap software. All label data is held within the machine.

Higher speeds for in-line pressure-sensitive labelling were announced at interpack by Italian manufacturer Etipack which demonstrated its Pharma Top machine, able to handle small pharmaceutical vials at speeds up to 400 a minute.

The machine, which switches automatically between its twin labelling stations to provide continuous operation while one reel is replenished, gains its speed by feeding labels at 90deg to product direction, rather than parallel.

As a result, the feed mechanism need only advance the web by the height of the label, rather than its length, which may be three times greater. This eliminates the principal speed limitation on in-line pressuresensitive labelling machines, cessing elements, such as cut says Etipack (UK agent, Sussex and paste and word wrap-

With labels now at 90deg to web direction, three to four times as many labels can be held on a given reel diameter, extending the interval between reel changes by a similar factor.

High accuracy was the deciding factor behind the first UK installation of Pago's 100 front and back pressure-sensitive labeller at contract manufacturer and packer Richards and Appleby. A specific product range required accuracy to within 0.5mm on both back and front bottle labels and, after extensive statistical analysis tests with other machines, R & A's engineering manager Bill Cropper declared: "No other labeller seen or tested could match the accuracy level we needed."

With its special top hold to grip the bottles, the 100 virtualeliminates the need for change parts, Pago adds.

An applicator designed to overcome the problems of attaching large labels to curved surfaces, such as pails, was shown for the first time at Labelexpo by Danish company Fischer.

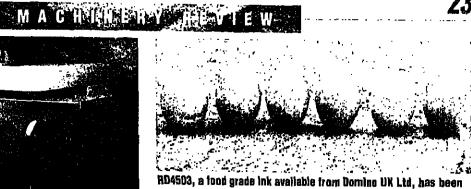
Labelling packs from a random infeed at speeds up to 20 a minute, the machine employs a stepper-motor drive and vacuum to stop and hold the label until the pail is in position on the conveyor. Then an elasticated mesh pushes the label against the surface, ensuring the best all-over adhesion, says Fischer (tel: 010 45 42 150024).

Full wraparound plastics labelling, as an alternative to printed decoration of cans, is provided by the Contiroll-Can full surface, edgeless labelling system, introduced at interpack by Krones. A label turret, labelling station and shrinking cylindrical containers such as turret are all combined in the one machine, which provides a label that follows the profile of the tapered upper and lower ends of the can.

The system allows bright cans to be called off for labelling as required, simplifying stockholding and increasing production flexibility, points out Krones (tel: 0942 840044).

Software to allow true design elements to be incorporated in computer-generated labels for the first time was introduced by Map 80 in its Prisym for Windows package.

This incorporates word pro-



specially designed to meet UK legislation for coding onto eggshells

around, and was developed in direct response to OEM and UK customer requests for a Windows-based package, says the company (rel: 0734 731800). Indeed, according to David

Pennington, manager of Map 80's labels division, Prisym is one of the few label design packages which are truly Wysiwyg, with screen displays giving accurate representations of the final printed label.

Just-in-time printing of generic cases and trays - with bar codes and graphics - took a step forward with the introduction of Domino PackTrack's PT3000

system, offering an enlarged print area of 250 x 600mm compared with the earlier I'l'2000's print area of 250 x 350mm.

This allows the user to print full quality graphics and logos onto the case, rather than just variable information such as barcodes. Speeds have been increased as well, from 32 cases a minute to 50 a minute, using computer-generated steneils.

As a result, says Domino PackTrack (tel: 0483-440355), cases can be printed for 0.3p, against 1.7-2p for a label, and the storage space required for pre-printed flexo cases reduced.



CIRCLE NUMBER K1-421

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CIRCLE HUMBER X1-406

Emphasis on networking for added security

Advances in metal detection were perhaps one of the most consistent quality control themes at October's PPMA show where higher sensitivity machines, and a series of networking systems to provide management information in a number of forms, were shown for the first time.

A twin-channel machine in which there are two separate live channels with independent setting and detection for ferrous and non-ferrous metals was demonstrated by MDL Bockels. In this way, the new Boekels TCD - twin channel detection range of metal detectors provides the highest sensitivity for both types of metal within a single machine, says the company (tel: 021-557 2104).

In addition, the microprocessor-controlled detector has automatic product tracking to maintain sensitivity, despite changes in product effect as a result of a rise or fall in moisture content, temperature or salinity.

Sec-up is via a self-learning process, with memory for up to 40 different products, while the auto test facility provides continuous testing of the entire system, including the operation of the reject device when connected

Loma Systems introduced

Networking and management information systems continued to make the running in metal detection and pharmaceutical packaging security systems while there were further developments in seal integrity testing and to ensure correct cap torquing.

its Intelligent Sensitivity Control concept on the Superscan Micro detector, providing constant calibration updates without operator intervention. Previously, says Loma (tel: 0252 540346), sensitive scanning from other units had to be paid for with high operator

"Accessing information'

The ISC approach joins the Loma Computerlink management information system, launched at interpack, which allows users of the company's metal detectors and checkweighing equipment to access information in whatever way is required.

Rather than having special software written or having to work on reports from individual machines to make them meaningful, the four different

levels of Computerlink enable companies to gain production data and configure the reports quickly and easily, says Loma.

Lomaview, for example, uses a network capable of linking to 128 Loma machines and employs a real-time, Windows-based data presentation and manipulation package.

Cintex also introduced a networked system at interpack. The Management Information and Control System (MIACS) allows up to 60 metal detectors to be operated simultaneously through a remotely sited pc and also provides comprehensive data collection facilities, says the company (tel: 0753 685261).

Central monitoring and data collection of up to 64 metal detectors is provided by Hitech's new Metal Master, a pc-based system which, for simplicity, is controlled via a mouse rather than keyboard. Metal detectors within a

or, if one of the detectors in the zone is non-operational, in red. Clicking the mouse onto the appropriate zone then brings a display of each individual line - identified by name and its operational status. Clicking onto any line brings up a full report on the individ-

factory are split into four

zone displayed continuously

on the screen, either in green

The Metal Master system zones and the status of each can also be used to change product settings on individual metal detectors remotely, says Hitech (tel: 0273 454511).

For detecting metal within metallised film packs, Yamato Lock Inspection Systems announced its new 'waifer thin' Metalchek system for installation between a multihead weigher and vertical bagging machine, or in other applications where clearance is insuffi-

061-624 0333). Meanwhile, a check-

cient for conventional detectors.

that conventional ferrous in foil

metal detection systems

mounted after bagging can only

work successfully on ferrous

contaminants. Should metal be

detected, the Metalchek will

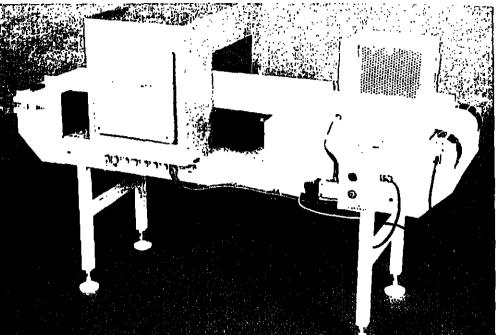
signal the bagger at the correct

moment, ensuring that a conta-

minated pack is either held or

rejected says Yamato Lock (tel:

The company points out



ADL Boekels twin channel detection (TCD) metal detector: two live channels with independent setting

ven, rather than hard-wired. This, says agent Sussex and Berkshire Machinery (tel: 0420 22669), is a major advance in checkweigher technology, providing a simple and economic means of meeting future requirements and any need for communication with upstream and downstream machines,

weigher that can be opgraded

with no extra or modified

hardware, from a simple

'policeman' unit giving

pass/fail decisions, into a full

quality control system with

feedback to weighers and a

complete communications sys-

tem was developed by German

The EC Series check-

weighers use a new intelligent

weighcell with its own central

processing unit that allows all

functions to be software dri-

manufacturer Optima.

"By defining all operations in software, the scope of a basic, entry level machine can be increased virtually at will," explains Peter Kierans at S & B. "Instead of adding new circuitry or boards, which may need to be specially built, a complete custom-designed system can be created simply with new software. This is invariably faster to provide and completely flexible."

Non-destructive seal testing equipment able to give 100 per cent inspection on vacuum packs and snack foods at speeds up to 100 packs a minute was brought onto the market by the Ishida Europe subsidiary, Ishida Nonpareil.

The Vac 100 vacuum pack seal integrity tester is said to be the first of its type for vacuum packs and can detect the smallest scal imperfection, says Ishida Nonpareil (tel: 021-541 1441). The INT 100 and INT 200 snack testers are said to be capable of detecting a hole in a pack as small as a pinprick.

Both systems apply pressure to the completed pack, using an electronic system to measure minute changes and variations in pack pressure to detect seal irregularities.

Problems with caps and closures that back off and become loose after a tamper evident membrane has been applied to the container neck by induction heat sealing were tackled by Newman Labelling Machines with a retorquing unit.

> "Straddles packaging line conveyor immediately after the sealer"

The Model CRT has been developed in response to the growing number of pharmaceutical, chemical and foodstuff manufacturers that are experiencing problems in this area, savs Newman (tel: 081-440 0044) and will straddle the packaging line conveyor immediately after the induction scaler.

Able to match the speed of conveyors running up to 15 metres/min, the machine can retorque caps on containers of

MACHONEDRO BE VIEW

MIACS, the Management Information and Control System from

single dumb terminal which

communicates with dedicated

nspection systems.

Cintex: 60 metal detectors can be operated simultaneously

50-300mm high, and with

diameter or face widths of 13-

110mm using screw caps up to

For torque testing, an elec-

tronic system was introduced

by KMS Packaging Services

(tel: 0531 635291) to replace

the traditional spring-type

tester for both production and

rotech Corporation, the TM 10

can handle containers of all

shapes and sizes up to 5 litres,

with the possibility of size

expansion to 10 litres, and can

be optionally equipped with a

time/date stamp for recording

the time of each test on the

container. An internal memory

holds up to 1000 torque values.

label and cap

"Missing

detection"

In pharmaceutical packaging

security, Parke Davis installed

an improved system - includ-ing missing label, cap and over-

print detection - based on a

P5000 PCS system from Prestek (tel: 0602 253220). This

is fitted to a PPM 350 bottle

labeller which has been sup-

plied by GEI to apply single

labels to round bottles on

missing label detection via

ultraviolet sensors which will

detect low levels of lumines-

cence on coloured labels that

previous sensors could not

There is also a special reject

system which enables two dif-

ferent processes to come into operation, depending on the

fault detected. For most faults

the bottle in question is

cap is detected the faulty bot-

tle is shifted to a reject point

and the machine stops and

displays the fault. This avoids

the mess that would otherwise occur with an uncapped bottle

There is also missing over-

print detection operated by

examining a 'window' on the

product for print presence as it

for pharmaceutical security

were introduced by Eyesys

(tel: 0954 211632) to comple-

ment the 'one terminal line

security concept'. This means a

complete line being pro-

grammed and monitored by a

Intelligent barcode readers

However, when a missing

in motion.

being rejected.

The improvements include

Parke Davis' Oraldene line.

Made in the USA by Sty-

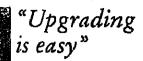
100mm diameter.

laboratory usc.

that upgrading is easy and maintenance economic, says Hadland (tel: 0442 832525). Various lighting and strobe systems can combine with the different cameras to suit specifie applications. Finally, Nottingham-based

code readers and vision-based Hadland Photonics developed an automatic vision system based on a standard pe, Made by the US Videk Corporation, the Concert system uses ny (tel: 0602 286463).

cameras ranging from high resolunon to infrared, automatically checking pack surface details such as label placement. ink jet quality and correct for coding automatically.



Standard pe hardware and modular construction means

Robotec came up with a 'sniffer gun' to detect rotting fruit. The first units are hand held to establish and indicate the quality of boxed oranges, but in-line sensors on packing lines and within the distribution chain could follow, says the compa-

label printing plus application machines, individually designed attaches for optimum reliability. **PAGO** 7 CROWN GATE SEVERALLS INDUSTRIAL PARK COLCHESTER, ESSEX CO4 4HT TELEPHONE 0206 854996 FAX 0206 854939

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ual metal detector installed.

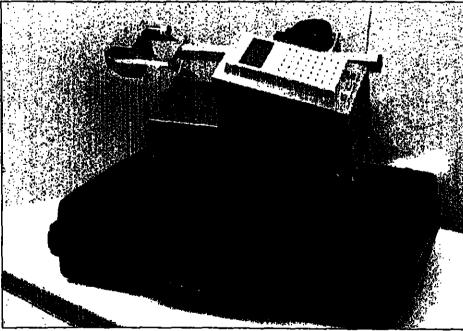
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PACKAGING NEWS/JANUARY 1994

A MINUTES SILENCE FOR ORDINARY **GEARED MOTORS**



Over the past 25 years. Eurodrive have witnessed the proliferation of pretenders to the title "Britains Leading Geared Motor Manufacturer".

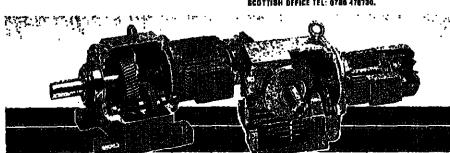
Most have briefly appeared, waved the flag enthusiastically only to flutter ineffectively on the flag pole of British Industry.

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GAOW WITH EURODRIVE - SUCCESS BREEDS SUCCESS - WORLDWIDE

CIRCLE HOMEER K1-401

effort with its Stack N Wrap

system, based around the estab-

table which automatically low-

ers as pallets are loaded, with

an integral turntable for near-

side loading. The addition of a

powered friction drive to the

turntable enables the loaded

pallet to be rotated for the

operator to use a hand-held

reel of stretchwrap film from

one position. Loading and

wrapping at a single station

saves both time and space says

using a single material, and less

of it - particularly board - was

behind the paper banding sys-

tem developed by German

manufacturer Roco Packaging

Machinery to produce transit

packs for cans, bottles and jars

at up to 40 a minute. Base tray,

Pressure for transit packs

Southworth (tel: 0635 874404).

Paller-Pal is a self-levelling

lished Pallet-Pal system.

Accent on materials savings

With the Manual Handling Regulations as a backdrop - and pressure from some markets, particularly Germany, for board transit packs, end-of-line operations have been characterised by further methods of caseloading less easily handled products such as bags and fresh produce. In shrink and stretch wrapping the accent appears to have been on continuing materials savings, equally applicable to pallet-wrapping.

Interpack saw the launch of a case and tray packing system developed by Netherlandsbased Blueprint Automation to load single or double rows of flexible bags, often still placed by hand. Up to 120 bags a minute can be handled by the Row-Stack RS-400, which is available in side or top load versions and with in-line or cross infeed.

Also shown by the company (tel: 010 3480 10999) was the MCR-A system with pre-programmable automatic size change to handle a variety of

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different size flexible packs. The basic model handles up to 80 bags a minute, but by adding a high speed collation module speeds up to 140 a minute can be achieved, says Blueprint.

Manual case-taping - the source of wrist strain and other forms of repetitive strain injury amongst operators - was tackled at a major unnamed UK food company with four ergonomically designed casescaling lines developed by Endoline (tel: 0767 316422).

By giving adjustable heights for hand-packing and

by storing blanks at three different heights above the taping unit, the company has made allowances for the differing heights of the operators. Excessive bending, stretching and lifting of heavy weights is also avoided.

Each machine consists of

two taping units with three packing stations either side. and includes a powered roller conveyor and adjustable top rails for holding down the top flaps for scaling by the Model 605 tapers. These have quick release side drive units for maintenance and cleaning and pneumatic cylinders to raise the entire assembly when the bottom reel requires

changeover. From Finland, came details of a case-packer developed for farm produce packer Famigro to replace manual loading of growing lettuces into transit cases at up to 60-70 a minute.

Each row of produce slides down a Teflon-coated shute into the inclined case. If there is a hold-up with the casepacker, product is diverted onto rotating tables which were part of the previous manual operation.

Air jets fired through holes in the side of the case push one row of pots back to allow room for the next. These holes and a gap between the scaled case flaps also allow ventilation during transit. The system was supplied by Orfer oy (tel: 010

wrapped in banderoling paper, which is then stretched and pressure glued giving a 45 per cent material saving compared with conventional methods, wrapping operations that, by says Roco (UK agent Ballinger virtue of their throughput, are Rawlings - tel: 0442 217555). still carried out by hand, South-The zest for more board worth Handling introduced a method of reducing physical

transit packaging was seen also in the launch, at interpack, of MAF's Combinatic 700 compact wraparound tray and case packer/lidder. Able to provide a variety of case and tray styles at speeds up to 17 a minute, the machine is said to provide a compact alternative to separate casepackers and lidders employed to provide corrugated transit/display packs. UK agent is Sussex & Berkshire Machinery (tel: 0420 22669).

product and tray lid are

Meanwhile, BWI Fords Packaging Systems introduced an erector for large RSC cases up to 480 x 450 x 400mm with a weight support system in the magazine to allow a large number of blanks to be loaded at one time without risk of poor feeding.

The ACE I Rockwell Packfast case erector was shown for the first time at October's PPMA Show. It provides up to 25 cases a minute, says BWI Fords (tel: 0234 852365), An automatic feed table for several pallet loads of blanks is also available and indexes each pile forward, automatically replenishing the magazine for continuous working.

On the shrinkwrapping front, manufacturer Ocme reported considerable savings in glue and cartonboard costs at Coca-Cola Canada, where one of its latest high speed shrinkwrappers has been installed to handle 170 x 24-can collations a minute.

"Adhesive unnecessary"

The savings arise because side boards are formed only on the four-can side of a 6 x 4 collation before the film is wrapped around, so no adhesive is necessary. And, while material savings are also realised by the system, there is still adequate area for coding the tray. The TH/85/F/2 machine also handles printed film in register, with or without supporting trays.

To ensure that smaller trayless collations such as 4 x 3 packs keep their shape during wrapping, and to avoid 'staggering' of cans along the conveyor, the system incorporates a U-shaped tray inserted under the cans which stabilises them throughout collation, says Ocme (tel: 0635 298171).

Capital cost savings were highlighted by Aetna UK with a Dimac single film roll cut and wrapped sleeve wrapper and shrink tunnel demonstrated at the PPMA Show before delivery to Taunton Cider.

The Starfilm LS-V tray loading wrapper is a single reel machine, with wraparound tray facilities, and operates at speeds of up to 32 collations a minute. As a result of mechanical simplicity, the machine competes favourably on price with twin-reel machines running pre-erected trays, says Aetna UK (tel: 0234 376744).

A contribution to lower shrinkwrapping costs from EDL (Packaging Engineers) was a print registration system for its twin-reel Flight Bar stretch sleeve wrapping machine, providing an economic method of producing promotional multipacks, says the company (tel: 0271 45351).

Up to now, points out EDL, the only sleevewrapping equipment able to run printed film in register has been the single reel cut and tuck systems. "These high speed machines also represent a level of capital investment that only big volume manufacturers can justify. The EDL machine now gives the same facility, but at far lower cost, bringing branded multi-packing within the reach of most food and beverage companies."

For totally enclosed shrinkwrapped collations of aseptic cartons, Polypack announced its ASP 2000 machine, handling feed rates of up to 150 cartons a minute with rapid changeover and gentle product handling.

To avoid back pressure, which might compress the brik-style cartons, the machine Octopus Genius machine, able to handle up to 120 pallets an hour. It operates by revolving the film carriage around a stationery pallet - held firmly in place by a load stabiliser - and

incorporates an adjustable pre-

stretching device said to reduce

the total film consumption to

100-250g per pallet. Λπy

"Easier and

"Changing film reels is much

by Universal Packaging for its

stretchwrap film can be used.

taster"

MACHINERY REVIEW

pack (tel: 0923 235032). Carton sizes can range from 200 to 350ml and be produced in collations of three, six and nine with changeover achieved minutes by selecting the new format at the console. The forming head and transfer plate are clip-in components while the sealing bar is positioned

employs a series of product

clamps, while continuous guid-

ing provides stability and

ensures straws do not become

detached. An electro-mechani-

cal pusher allows consistent

and precise transfer, says Poly-

horizontally for the six and nine easier and faster than on any packs, and rotated through other machine thanks to our 90deg for the three packs. patented system that elimi-Back on the theme of matenates the need to draw the film between the rollers," says rials savings, Italian manufacturthe company, which is part of er Mariani used interpack to launch a palletising system in Newtec International (tel: which loose drinks cartons are 081-758 9000). When the wrapping operapacked in unwrapped trays. Half pallets measuring 800 x 600mm tion is complete, the end of the film is automatically gathered to are stacked from layers of loose cartons, each with a 25mm high reduce its width after which the tray formed around it from end is seamed to avoid any risk board blanks and then glued in

cartons can be stacked, says Mariani (UK agent Cornwell Products - tel: 0732 866677). For high speed pallet spiral stretchwrapping, Finnish man-ufacturer Haloila introduced its wrapper, was also announced

place. Up to five layers of 1 litte

Pal Rapper 3000 system

in electro-mechanical pusher allows consistent and precise transfers. The system will produce collations of three, six and nine packs

At the end of each wrapping cycle, a set of grippers automatically secure the film, which is then cut by hot wire to leave the load free and ready for removal from the turntable Once a load is placed on the

turntable and begins to rotate, the film is held by the grippers for the first one and a half turns. As the film starts to overlap, the grippers release the film end. allowing it to become secured neatly into the wrap, says Universal (tel: 0274 651330).

Spiral stretchwrappers have, however, been replaced by pallet shrinkwrappers at Ind Coope Burton Brewery where two automatic Kurt Lachenmeier machines are now installed. Each of the Type C Combi systems is capable of handling up to 65 pallet loads an hour using 120 micron film, says the company

drawn down over the pallet

without touching the load.

(tel: 07+2 378477). In operation, cans are first packed in cases of 24 and collaof the film loosening during tion wrapped prior to palletising. Loaded pallets entering the storage and transit. An automatic film cutting shrinkwrap machines are automatically measured for height, and attachment system, said to before a hood is produced from be the first incorporated in a semi-automatic turntable gusseted film, inflated and upward travel cycle of the frame. But while most end-of-line packaging machinery suppliers

Shrinking takes place on the have worked to achieve at least

some material savings, the German-born idea of an MTS -Multiple Transport System using returnable, collapsible polypropylene cases, aims to slash material costs dramatically by offering up to 60 trips. Although controversy still surrounds the system, which is likely to be fiercely resisted by retailers in Germany and most certainly resisted by those of other countries, MTS cases for

fresh produce are already being used throughout Germany. At interpack, Fordertechnik Hamburg (FTH) (tel: 0332 672888) demonstrated the first machine for loading the MTS cases, which are erected from flat components, filled, lidded and then secured with

polypropylene strapping. The question is, will it take off? I think it will, first in Germany, but then that will force others to take it," suggests Eric Billingsley, export sales manager at FTH.

What's

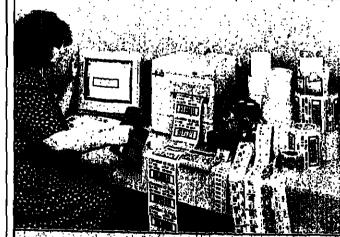
name...

Screw Cupping

in a

For pallet loading and The Octopus Genius pallet load wrapping machine from Oy M Halolia ab, launched in Finland

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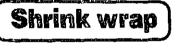
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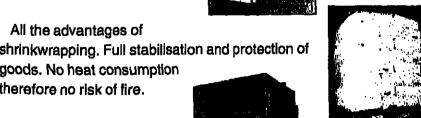
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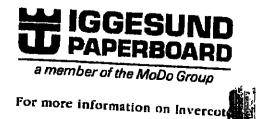
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With resealable flexible packs adopted in confectionery for the first time and the Introduction on the UK market of a low-cost system for use with polyethylene film. the concept gained further ground. There were also advances in control systems for flow-wrappers.

polyethylene film, avoiding the

need for more expensive lami-

nate materials. Because the pro-

files can be customised to suit

most films, users can retain their

existing film suppliers and converters, says Multigrip (tel: 010

are supplied in reels and exist-

ing ffs machinery can be adapt-

ed to produce resealable packs

at a cost of £14,500-£26,000,

says Multigrip. Indeed, the

company has now carried out a

number of retrofits on vertical

ffs machines in Europe and the

US for applications including

grated cheese, nuts, dried fruit

and potato chips. Flow wrap-

pers, pouch-makers and ther-

similarly modified.

moformers have also been

Klöckner Bartelt announced

RPM100 horizontal ffs

machine, claiming a leakage rate

of less than one per cent and

minute. Ultrasonic sealing is

Zipper tape and a tear tape

31 3418 606 80).

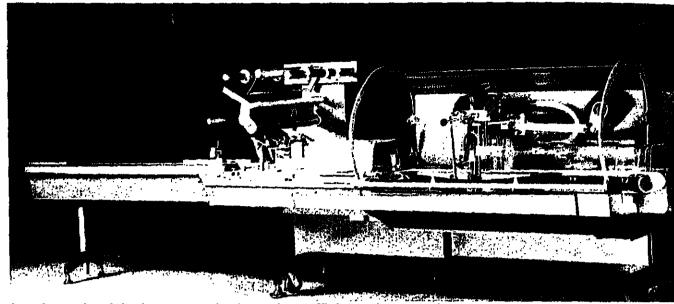
A lower cost route to resealable flexible packaging for snacks, grated cheese, smoked meat and frozen foods packed on horizontal and vertical form fill seal machinery, or thermoforming systems, was launched in the UK by Dutch company Multigrip.

Called Fresh-Trak, it was developed initially by Presto in the US and involves heat scaling reclosable ldpe profiles onto flexible packs as they are

> "Hermetic seal to be film avoids expensive: aminates"

The profiles are co-extruded with ribs of heat sealable material such as eva, which allow an MACHINERY REVIEW

Flexible resealables gain ground



Rose Forgrove brought its electronic control technology into modified atmosphere packaging with the integra horizontal fis machine

improving pack integrity in this sensitive area, says the company (tel: 0733 60911).

Separation of the forming and filling stations provides time and space for other operations if necessary, and the welds a resealable feature on its can cool before being subjected

Europe's first mainline confectionery brand to use speeds of up to 60 packs a rescalable plastics bags was launched by Dutch confectionhermetic seal to be made to used on the edges around the er Van Slooten, which commis-

tical ffs machine supplied by agent Marubeni UK (tel: 0527 501155). Bags are made from a 20/30 micron polypropylene laminate with zipper tape taken in from a separate reel and heat sealed in place as the packs are produced.

The 250 and 500g bags of unwrapped liquorice and gums mixture - marketed under the Road-Runners brand - are aimed in particular at motorists and other travellers, as Van

sioned a Kawashima 608Z ver- Slooten production site manager, John Heck, explains. "The motorist can open the bag, take some out and close it again, preventing any sweets falling out while he is driving. Mothers travelling with children can give them sweets, reseal the pack and put it back in their bag, without spills while keeping the

control system for servo drives, product clean." using fibre optics in place of the During the year, Express usual wiring, was demonstrated Foods also installed its second at interpack on a Tevopharm Kawashima 608ZW vertical ffs Pack 1000 horizontal flow wrapper, providing improved

able bags of Eden Vale grated

cheese. "Scal integrity is very

important in packing cheese for

a long shelf life, and we have no

problems in scaling effectively

across the resealable strip," says

Liz Miller, grated cheese man-

Meanwhile, an advanced

ager at Express.

accuracy of operation and reduced installation costs.

The machine had been modified by Automation Intelligence Inc with its Serial Realtime Communications System (SERCOS), claimed to be the world's first open digital communications standard between controls and drive to be implemented via a fibre optic ring.

The Pack 1000 incorporates multi-axis servo technology, allowing it to handle a variety of product sizes without significant mechanical re-tooling. The Sercos ring installation means the only connection between the drive system and controller is the optical fibre, eliminating hundreds of wiring connections and reducing cable and installation costs substantially

Indeed, this reduces the cost of the machine to that of a standard mechanical machine, according to AI (tel: 0101 404 497 8086). Digital, rather than analogue control, also allows much higher resolution for more accurate placement of product at higher speeds, says the company.

The Pack 1000 wrapperoperates at speeds of up to 900 a minute and was first introduced by Tevopharm (tel: 0733 60911) as a completely mechanical gear-driven machine.

Rose Forgrove brought its electronic control technology into the modified atmosphere

packaging field with the tracspeed on the machine is up to gra, a new horizontal (fs. machine equipped with a long 150 a minute, depending on dwell scaling system to ensure product, materials and gas-

> Also for modified atmosphere packaging, the Mistral BB horizontal ffs machine was introduced by PFM and incurporates a system for monitoring pack atmosphere.

sealing system and a continuous

belt for the longitudinal seal,

A cantilever design is employed so that dust or packaging debris drops to the floor "Airtight rather than into the machine, while belts can be changed by unskilled operators in a matter of seconds. On other machinery, this could take up to 20 packs a minute, the Mistral is minutes, says Rose Forgrove said to guarantee airtight welds, (tel: 0924 825800). with a long dwell transverse

Data for up to 30 product sizes can be pre-programmed

pack integrity. As a result of the

electronics, standard features

include monitoring for no-

product, no-bag, and a system

which prevents the sealing jaws

closing over misplaced product.



rate of less than one per cent and speeds up to 60 packs a minute

Wrap-Around,

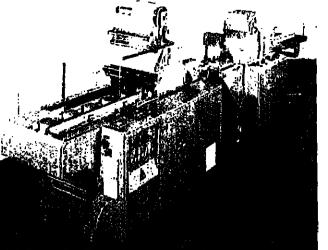
The Mistral is available as a top reel or hostom reel machine and gas content of the pack can include trace oxygen if necessary. This can be measured in real time and the gas thishing increased if necessary.

At interpack Hayssen demonstrated its measureform-pull film handling system for the first time in Europe, fitted on a Paragon vertical bagging machine.

A servo-driven measuring roller allows the machine to feed film more quickly, with swifter acceleration and deceleration but with less tension, explains Hayssen (tel: 0423 564662). Pull belts, which follow the measuring roller, and sealing jaws, are also driven by servo motors. The result is a speed of up to 130 bags a minute, but with a reduced feed cycle time that allows longer dwell on the sealing jaws for improved pack integrity.

For handling heavy, but unsupported flow-wrapped products such as pizzas, Otem system that uses a series of rods as a carrier drum to feed product positively through the scaling jaws and out onto the Shown for the first time at

the PPMA show on the Mach 200 horizontal flow wrapper. by agent Notem (tel: 0532



The Seriespacker overwrapper from Beck Packautomaten: able to handle a wide range of products in extremely low gauge film

of downstream collision.

In competition to vertical ffs machinery for various applications, a high-speed version of the Autobag system was launched by Automated Packaging Systems, able to handle 70 reel-fed pre-made bags a minute.

The I-IS-100 Excel incorporates microprocessor control for speedy changeover and can be fitted with an electronic overprinter capable of identifying bags with barcodes and graphics as an alternative to labels, says the company (tel: 0684 274602).

> In overwrapping machinery, the ability to handle a wide range of products in extremely

779504), the system avoids risk — low gauge film was demonstrated at interpack by Beek Pack-Sepesmacker.

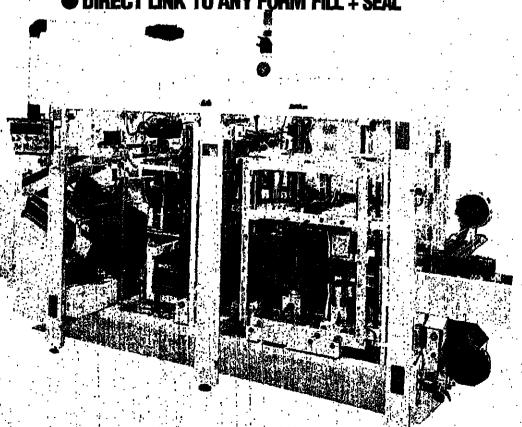
Development work with the film roll support on the machine now allows gauges of 12.5 micron - as well as polyolefin films up to 80 micron - to be handled, which dramatically increases material vield. li some instances, twice as many products can be wrapped, says UK agent Ballinger Rawlings (tel: 0442 217555).

Speed is up to 60 a minute and the machine has automatic adjustment for quick size change and a new sealing system to give fin seals on

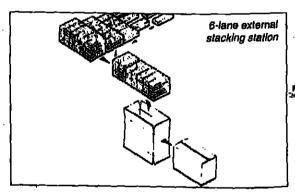
FINAL PRODUCT HANDLING AND PACKING

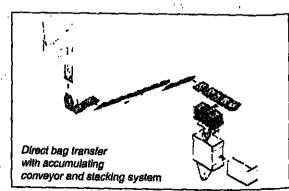
Case Packer 490-Toploader

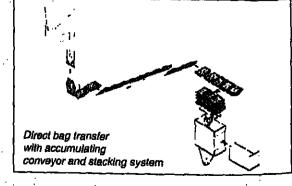
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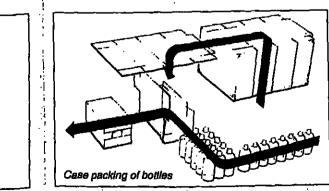


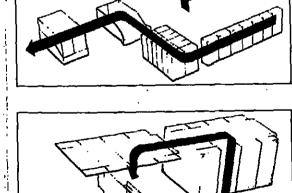
PACKAGING EXAMPLES

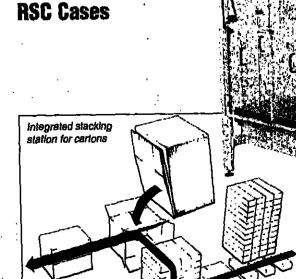


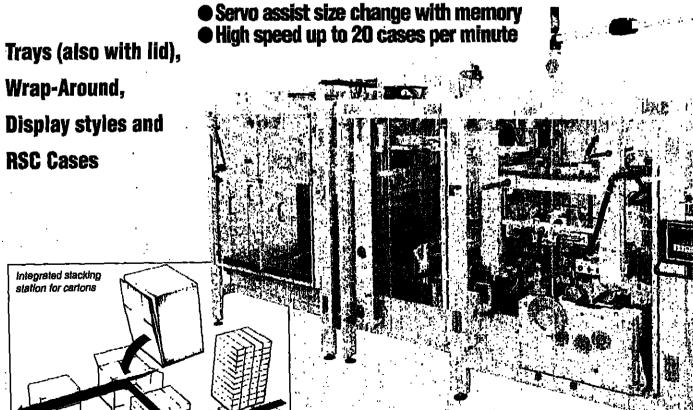












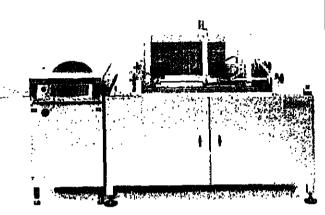
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CIRCLE HUMBER K1-450

MACHINERY REVICEW

Custom built for ease of use

Bilsters secured by labels, a drum emptying

systems were among the special equipment

system for powder, and low cost sleeving

ideas put forward during the year.

A thermoformed blister possibly in ops for clarity and rigidity - is inserted into a precut backing card and, once the product is inside, a label sticks the flange behind the blister down onto the card.

Volume products which would benefit from the higher packing speeds include batteries and razor blades, says John Graham (tel: 0532 319176). The company said it was seeking a partner with which to develop the system, which is already under conideration by machine manuacturers in Germany.

In its simplest form the machinery envisaged consists of three in-line pick and place units for the blister cards, blisters and product, followed by a label applicator for the backing. Since the blisters have a small undercut to allow secure location inside the card, a compacting unit would also be necessary before the label is applied. Since ops could be used for both card and label, a monomaterial pack for recycling would also be possible, says

A powder transfer system that allows drums to be emptied without aeration and without separating the mixture or releasing dust into the atmosphere, was developed by Transmatic Fyllan.

> "Inverts the drum with no physical lifting or spillage"

Unlike previous units, which left a small amount of powder in the base of the container, the new machine incorporates a system to invert the drum, with no physical lifting or spillage, so ensuring that all material is removed, says the company (tel: 0234 213271).

For gentle handling of Strepsils lozenges, which are more brittle than most tablets, Ima has fitted a special handling system to its C65 integrated bilster packer/cartoner supplied to Boots Contract Manufacturing in Kottingham. A vibratory bowl feeder and chute feeds the tablets into the blister pockets without chipping

> Said to be beneficial when handling high value products, such as coffee, the Powder Lifter TLD1 operates under negative pressure and is therefore inherently suitable for handling dusty or toxic materials which would otherwise

infringe COSSH regulations. For gentle handling of Strepsils lozenges, which are more brittle than most tablets, Ima has fitted a special handling system to its C65 integrated blister packer/cartoner supplied to Boots Contract

Manufacturing in Nottingham. To prevent damage to the lozenges, there is a vibratory bowl feeder and chute to feed them into the blister pockets without chipping, says Ima

AUTOMATION LIMITED AND 1 In Auger Pillers

Specialists in all forms of powder filling from manual presentation systems to high speed fully automatic

UK (tel: 0734 772323).

Able to handle both polypropylene and pve, the Ima machine operates in conjunction with an Ima BFB 3786 overwrapper, providing collations of 12, 14, 24 or 28 cartons overwrapped in a coat-

Among mechanical handling aids was a vacuum lifting system from Palamatic which includes a valve to ensure that loads are not dropped in the event of a power or vacuum failure. Aimed at sack handling, lifting reels from a pallet onto packaging machinery and to lift and pour from drums of

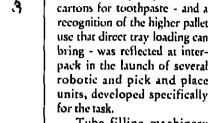
0531 635291), Construction is in stainless steel while print and tear strip register control can be incorporated for use on

ed opp film.

Also in tamper-evident sleeving, Turpins Packaging Systems supplied Golden Fry Foods with a system to apply heat shrinkable bands to a wide variety of containers at speeds up to 60 a minute.

tapered-wall pots.

A particular benefit is the system's ability to apply clear pve bands to one particular type of pack which features a shoulder considerably larger in up to 250kg, the Pal-U-Lift can diameter than the closure, says be designed to suit customer



With the introduction of

the compact Etisleeve applica-

tor, sleeving technology could

be obtained for the price of a

labeller, claimed manufacturer

Sleever International (tel:

75SL150 for toiletries and

pharmaceuticals, was demon-

strated at interpack, and is

capable of speeds up to 150

bottles a minute using sleeves

fed continuously from a reel.

Two other machines are also

available: the 75SL250 for the

food industry and the

125SL250 for containers of

household products. Both

operate at up to 250 a minute.

"Sleeving

favourably"

The machines were developed

following research by Sleever

amongst customers which

showed sleeving was viewed as

favourably as the self-adhesive

label for decorative purposes

but was ruled out for many

manufacturers by the higher

cost of sleeving equipment: up

For tamper-evident sleev-

ing, KMS Packaging Services

launched an automatic, Ameri-

can-built machine, said to be

both versatile and easy to use.

tainer sizes on the Axon Cor-

poration EZ A1 takes only a

few minutes, says KMS (tel:

packs such as dairy or salad

Changeover between con-

to twice as much as the equiva-lent front and back labeller,

says the company.

viewed

The first in the range, the

0371 874344).

Tube filling machinery manufacturer Norden Pac International demonstrated its compact Traypacker which takes pre-orientated tubes directly from a filling machine, so eliminating the need for secondary carton packaging. However, the system can also be used as a conventional cartoner where appropriate, says Norden (tel: 0462 895245).

German antipathy towards

In similar vein, Italian manufacturer Euroimpianti showed its Skilled 302 robot lifting tubes in rows of four and five to slot vertically into an eps tray. Microprocessorcontrolled, the 302 can run at up to 50 cycles a minute, says the company (In the UK, Europack Engineering - tel: 0502 716540).

French manufacturer Cermex (rel: 0480 455919) joined in as well, with a toothpaste tube packing version of its ER30 robot, able to load tubes

upright or flat into traditional developed by IWK, which says cases, cartonboard trays with that, depending on format, the system can halve packaging A roboric tube loader could material costs and allow twice as many tubes to be loaded on a also be seen incorporated in the Cartonless Packaging System given size of pallet.

Skilled 302 robot from EuroImplanti: shown at Interpack lifting

tubes in rows of four and five to slot vertically into an eps tray

lids or eps trays.

The robot has six axes of movement to place tubes in any orientation required: vertically, horizontally or nested top to base. It can be programmed by any IBM compatble pc, explains UK agent Sussex & Berkshire Machinery (tel: 0420 22669).

Despite this flurry of activity in the tube-packing market, the year was not without significant news of developments in cartoning machinery, one principal example being the launch by R A Jones of its short-pitch continuous motion Legacy machine, said to be capable of manual changeover in 20 minutes or less, and

FAST

ACCURATE

speeds up to 300 a minute.

MACHINERY REVIEW

Cartons avoided for collapsible tubes

cosmetics and healthcare applieations, the machine incorporates Jones' Acc-U-Just system to allow a full three-dimensional change to be carried out by the operator via instructions from the control module, says the company (tel: 0532 453082).

For cartons made of recycled board - which can be more difficult to handle than virgin material - Bradman-Lake announced its Bradlok Concept hot melt erector, operating at speeds of at least 75 cartons a minute.

Four corner gluing allows recycled boards with lower stiffness to be formed into open top tray and carton styles. up to 420 x 80 x 280mm at full packing line speeds, says the company (tel: 0272 715228).

The Concept was shown for the first time at interpack, linked to a Bradlock FCC Compact Closer fitted with a new hot melt adhesive applicator that overcomes problems caused by variations in glue temperature as fresh granules are added.

In the Bradman-Lake system new supplies go first into a reservoir for heating to operating temperature while the applicator wheel revolves in a second chamber containing

only melted glue.
Meanwhile, Doboy (tel: 0332 626262) chalked up its first UK sale of the 751 carton erector and 840 three-flap closer at Calypso Soft Drinks, Workington, where the machines work either side of two manual packing lines for sachet-packed Flintstones

An automatic cartoner featuring size adjustment without change parts across a wide size range was introduced at interpack by Jacob White (Packaging).

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Customers can begin with a Model RSB3 semiautomatic machine and then convert it later to a RSB6 fully automated system by adding the auto loader. It is also possible to fit automatic product feeding mechanisms.

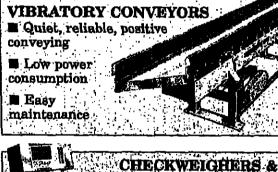
"The design principle is for our customers' requirements for adaptability in the single European market, requiring total flexibility with a large size range and ease of size change," says the company (tel: 0322 272531).

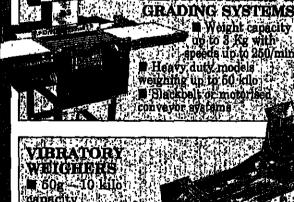
Finally, thermoformed plastics trays are the target of a cartonboard tray system for ampoules developed by Romaco (tel: 0480 414242) as an answer to disposal and recycling legislation.

Moves to avoid cartons - mostly for collapsible tubes have taken equal prominence with new cartoning machinery Introduced. Robotic systems to load tubes directly into trays were shown at Interpack.

The AVN 100 machine erects pre-glued trays, tucks in the flaps and inserts the product with a vacuum cup pick and place head. Finished trays then pass either to a downstream cartoning machine or a cover applicator is used to complete the tray with a reclosable carton lid.

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CIRCLE HUMBER MILAGE

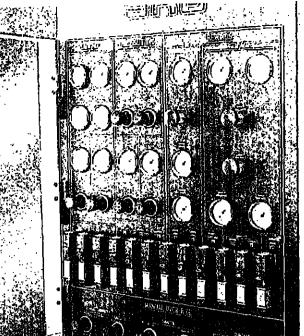


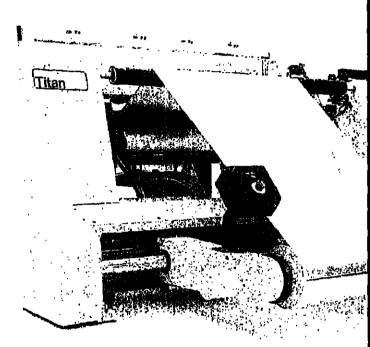
The Cormex ER30 robot packer loading bottles top-to-tail in trays

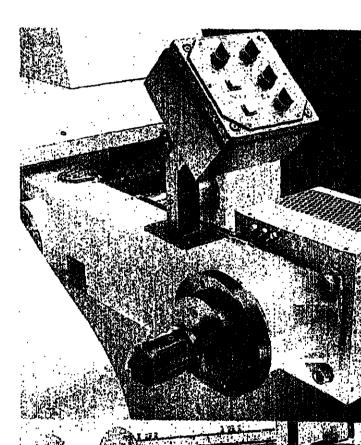


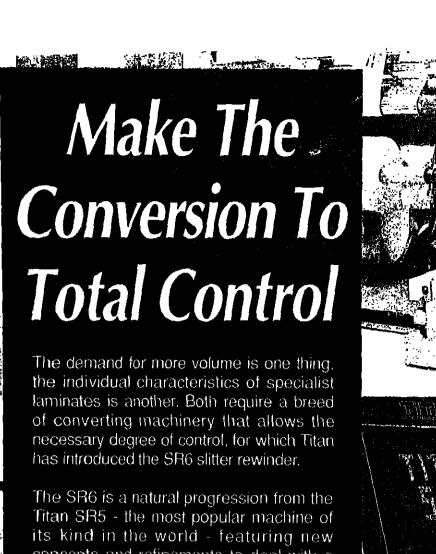


CIRCLE HUMBER TERLE PACKAGING NEWS/JANUARY 1994









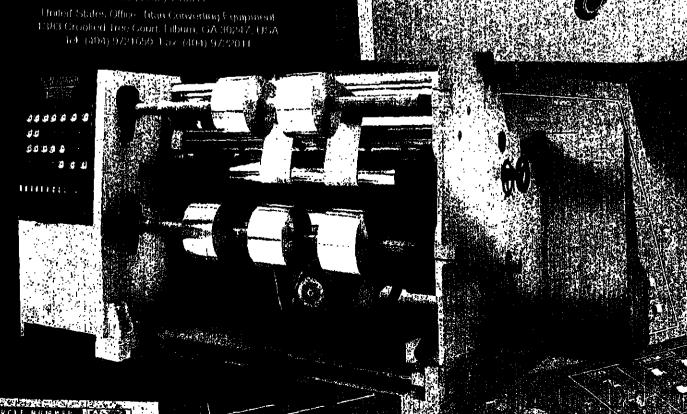
The SR6 is a natural progression from the Titan SR5 - the most popular machine of its kind in the world - featuring new concepts and refinements to deal with a heavier and more varied workload.

In addition to more parent reel capacity from 1,000 - 1,800 mm wide, the SR6 has a maximum speed of 450 metres/minute. which is a 50 per cent improvement made possible by a new standard drive package.

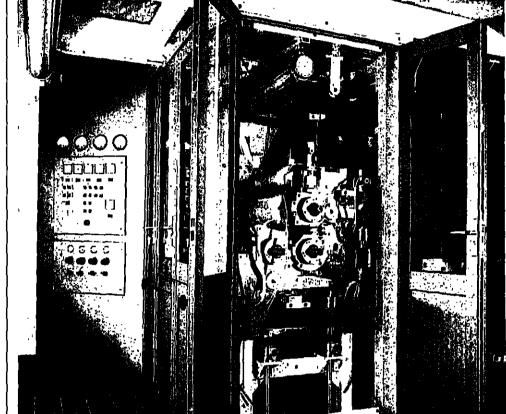
The introduction, as a standard feature, of layon pressure that automatically compensates for material diameter and speed, brings a level of rewind control that is essential when running many of the modern materials. Use the Titan SR6 to make the conversion to total control.



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CONVERTING PRODUCTION & PRINT



Coater demonstrated

A production coating line demonstrator has been commissioned at TH Dixon, the UK supplier of coating and laminating plants, Letchworth site at a cost of around £500,000. Customers will be able to use the coating line demonstrator on a rental basis for a fee of £1,200 per day to evaluate a variety of coating methods, laminating and drying conditions, says Tony Smee TH Dixon's md

"Previously we had difficulties in showing people our equipment because we produce it under confidentiality agreements. We needed a decent size pilot plant", said Mr Smee.

The coater is capable of managing lightweight plastic films to medium and heavy weight papers and board from a basic speed of 200m a minute up to 600m a minute.

the BM Group, has already used the plant in trials for two customers who have ordered equipment worth \$1.5 million. One order is currently being installed at a UK converter and the other is being built for a leading photographic company in the Far East.

In addition, the company will supply the Finnish Metsa Serla group with a Helicoater 2000 for its laboratory in Aanekoski, this month. This is the first Helicoater 2000 Dixon has sold under its exclusive licensing agreement with ECCI, English China Clays International, for the marketing, manufacturing and servicing of the Helicoater range of laboratory coating machines produced by

It is a laboratory blade coat-

Graymills

Ink Pumping/Conditioning

on the lathe principle. The coating head, filled with colour, is traversed across the rotating drum, producing a helix of coated paper. This latest version has a speed of up to 2,000m a minute and advanced coating technology. TH Dixon will add its own technical development

work to the coater in future. The machine is able to coat light papers of 35gsm to heavy weight board of 800gsm. Width capacity stretches from 50cm to Im. It also has a double coating capacity with fully synchronised control ensuring tracking of the topcoat application, even at high-operation speeds,

according to the company (Works Road, Letchworth, Herts SG6 1LS- tel: 0462

CIRCLE NUMBER K1-604

Paper mill upgrade for recycled liner

improved quality has been fractionation system. The achieved at the St Regis Paper equipment will allow specific Co paper mill in Kemsley, with fibres to be placed exactly the installation of a triple wire where they are wanted. fourdrinier machine, for proto St Regis' ceo.

The machinery with a trim head, Berks SL6 OAF). of 5.4m and capacity in excess From 1983-1993 there has of 200,000 tonnes a year is sup- been a shift of 10 per cent in box makers," said Mr Klein. ported by a stock separation market share from virgin to CIRCLE NUMBER #1-406

Ink vehicle created

The new Fishburn Ultraking 2000XL range of uv carton inks

The Ultraking 2000XL range of achieved," Glen Webster uv uv carton ink technology has development manager at Fish-

been launched by Fishburn burn told Converting World.

advanced resin technology. Group, have identified certain

"We have developed an ink areas that were giving rise to

vehicle by adjusting the chem- complaint from customers

istry of the system so that when relating to consistency of print,

it interacts with the water on and the ability of inks to print

the press it is less likely to break on recycled stocks. The high

down and a high dot gain is recycled content in cartonboard

The liner machine is part of ducing recycled liners which are an £80 million development used in corrugated case packag- programme at the mill undering, says Stephen Klein assistant taken over the last five years (Mill Lanc, Taplow, Maiden-

Fishburn, part of the BASF

Better fold strength and plant, which incorporates a recycled products in the corrugated case material sector in the UK, says the company.

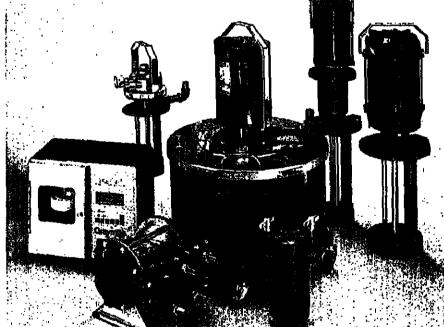
> "The top range recycled grade now matches virgin product in compression strength. This has been achieved at the tion of multiwire machines and sophisticated stock preparation systems, resulting in an average cost saving of 5-10 per cent for

> meant that picking and piling problems were occurring on the blanket. To overcome these difficulties, without significantly increasing the costs of the range, Fishburn looked at the

rheology of the system. "We have created an ink vehicle which holds it strength when mixed with water. We believe it is completely new in

The company says, as a result, the 2000XL range offers superior print performance in areas such as faster makeready, a more consistent ink/water balance and better colour reproduction, and is able to give sharper, cleaner images in half-tone work and better flow and transfer characteristics for denser, brighter

Other areas in which the process out performs other uv ink systems is in enhanced curing speeds of 10 to 15 per cent. and reduced ink misting on fast presses, says Fishburn (Slinford, Horsham, West Sussex, RH13 7SH - tel: 0403 790332). CIRCLE NUMBER KIDSOS



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CIRCLE NUMBER K1.672

PACKAGING NEWS/JANUARY 1994

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CIRCLE HUMBER | K)-676

NEWS IN BRIEF

LEAKAGE of aerosol propellants ATLAS HURLEY MOATE (AHM) and Electro-Craft were joint can be measured using the gas winners of the Manufacturing analyser from the Analytical Week Triad Award for OEM Development Company Ltd, Application of the Year 1993. which monitors levels of lique Web converting technology from fled petrolium gases, butene AHM using synchronised servo and propano. Possible leaks driven rollers allows throughduring the packaging process puts of up to 350m a minute to can be detected and dealt with accuracies of 25 microns. quickly, says the company (Pindar Road, Hoddesdon, Herts INSIGHTS into the paper making EN11 OAQ - tel: 0992 469638).

industry north of the border can be found in Mill On the Bon: The COATING, laminating and printing will be carried out at DRG Company. Copies are available Medical Packaging on a machine developed by the company with BHS Bruck-und-Versdelungstechnik GmbH. Flexo Aberdeen AB9 8BF - tel: 0224 and gravure printing are combined in the process, which allows for retrofitting of further equipment, says BHS Technolooffered with the Kaddle from US gy (Gian Yeo House, Station

> LONG LIFE uv curing lamps have been ordered by a Finnish packaging producer from Amba Lamps Ltd (10 Canada Close, Banbury 0X16 7RT - tel: 0295

1400 into a wide single lane

machine, says the company

(Packaging Systems Division,

United House, 95 Hale Road,

Hale, Altrincham, Cheshire

Road, Congresbury, Bristol BS19

5DY - tel: 0934 834622).

Slotdies for coatings offered at lower prices

tation of roller coaters with

this equipment is now

becoming far more wide-

DTG has so far manufac-

tured eight systems for the UK

and the rest of Europe, says Mr

Shepherd (16 Knowsley Road,

Hoole, Chester CH2 3RL - tel:

0244 341283). Laboratory units

for fitting to existing lab

derives from the extrusion

process used in the produc-

tion of thin flat films with pvc

and other polymers. This

involves extrusion through a

similar precision dieslot onto

Coating by this method

coaters are also available.

spread, says Mr Shepherd.

Slordies for coatings onto paper, film and foil are being manufactured for the first time by a UK company at lower prices than the foreign alterna-tive, with local technical backup available.

Shepherd Associates is contributing design and technical support to the manufacture by DTG Specialised Engineering of the simplex stainless steel slotdies. They can be produced in sizes up to 2m wide for liquid coating or as adaptations of existing coating heads.

"Slow to

Dies manufactured in Europe or the US can be up to three times the price, says Frank Shepherd of Shepherd Assorollers. Unlike this system, coating with a dieslot requires ciates. Although the technology has been around for a drying tunnel. several years, companies have been slow to respond. Adap-

"Allows for quicker changeover"

One variation available with direct slot application is the double die arrangement. This allows for quicker changeover times between processes or simultaneous coating with different solutions or patterns.

Literature on this technology is difficult to come by, says Mr Shepherd, since most coating companies have developed their own versions of the slotdie and do not wish to publicise their particular techniques.

CIRCLE NUMBER | RI-601

a cooling drum or a series of

102mm to 1524mm.

Short-run production of speciality bags

For short-run production of speciality bags, the US FMC drawrolls. Converters wishing to do so, can transform the SR Corporation is now offering the split lane SR1400 Servo-Draw, said to be ideal for the smaller converter.

Story of the Donside Paper

or £9.95 from the company

tself (PC Box 22, Woodside,

MOBILE lifting and loading of

reels and dies up to 228kg is

company Packline (St Mary's

ouse, Duke Street, Norwich

NR3 1QA - tel: 0803 768493),

Apart from the avoidance of

injury to personnel through

manual lifting, the system

larger reals and so reduce

enables manufacturers to use

Speeds of up to 200 cycles a minute can be achieved on the SR 1400, which allows converters to upgrade their bagmaking operations for ал afford- `~

able price, says FMC. Metric engineering, a variety of attachments, options and films are also featured.

There is a dual lane Vboard unwind stand, a splitlane de infeed and air-loaded

The sideweld seal head is micro-adjustable and the seal-

Bag length can vary from

registration is two-way with automatic repeat correction.

FMC, which has its headquarters in Chicago, produces a range of converting, packaging, palletising and conveying

CIRCLE NUMBER KT-603





Tension monitoring for reel materials

A tension-monitoring system for reel-fed materials is available from ABB Automation, using changes to signal output

Having no moving parts, The Pressductor Radial

3rd International Flexographic Conference & Exhibition

of expectation. "Flexographic Explosion" reflects the pace at which the process is moving.

Flexography – the dynamic printing process of the 90s – continues to push back the boundaries

Subjects covered include: • the exploding flexo market • developing technologies • making

Tønslometer (PRT)

An integral part of the 1994 conference will be the accompanying exhibition -

There's not long to go - so book your place now by phoning Moira Erwin,

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Conference chaired by: Pauline Covell, Editor, Converting Today.

an impression • pre-press techniques • achieving quality

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or fax her on 0372 377531 for further details.

Conference and exhibition manager on 0372 376161

the Pressductor Radial Tensiometer (PRT) is said to be free from vibrational distortion and not subject to fatigue failure. It can be retrofitted to any line to offer feedback on operaring parameters, and problem solving with web breakage, off-centre tensioning and the

of up to 500 per cent can be withstood without affecting the validity of the signal. "Oscillation filter"

> Comprising two units - the load cell and control/signal processing module - the system filters low frequency oscillations caused by mechanical vibration. The stainless steel monitoring unit is insensitive to electrical interference and sealed against contaminants. says ABB (Dept AF, 72167 Västeras, Sweden - tel: 010 46 21 342000). One or two load cells are integrated into the roller bearings mounted on a deflector roll directly in contact with the web. Four sizes of cell cover the range of forces from 0.5 to 5.0KN.

effects of changes in ambient

Changes to the magnetic

properties of an electromagnetic load-cell induce a signal out-

put proportional to the loading

force. Axial or radial overloads

temperature or humidity.

CIRCLE NUMBER TRICATE

PACKAGING NEWS/JANUARY 1994

CIRCLE HUMBER KI-602

ALR SHAFTS, ROLLERS AND CORES

Pre-centering copes with varying core diameters

Many more manufacturers are offering light weight carbon fibre shafts that avoid heavy manual lifts, while improved concentricity in air shaft running is now also on offer. There are advances too, in roller coverings.

Conical pistons, driven by air centering keyrows retract, equipment. pressure, are employed in the latest air shaft from Italian and Buckham Ancillaries manufacturer IES to provide an automatic means of pre-centering for multiple cores, which may have slightly different internal diameters.

The pistons act on pre-centering keyrows, which rise temporarily to ensure that centering is the result of mechanical action rather than air pressure, so avoiding variations along the shaft.

Once centering has taken place, the standard gripping bearings has also been introkeyrows then rise automatically to lock the cores and the pre- fitted to most winding

manufacturer, Rimor Airshafts,

has set up its own sales and mar-

keing operation for the range of

ously sold under the name of

Dalren, until recently the com-

Airshafts, which is part of the

£3 million turnover sub-con-

tractor Rimor Precision Engi-

neering, has announced a new UK-built carbon fibre airshaft.

"By combining the design,

manufacturing and sales opera-

tions under one roof and so

shortening the channels of com-

munication with our customers,

and to offer a much more cost-

At the same time Rimor

pany's UK sales agent.

UK manufacturer

to sell shafts direct

Hampshire-based designer and PO7 6TJ - tel: 0705 264063).

air shafts and air chucks previ- arrangements if required. "Now

Rimor Airshafts will be able to of strength and rigidity. It will

respond much more quickly also cost less than other carbon

effective package," says able, Rimor adds. Rimor built

Christopher Riley, managing its first air shafts in 1978 and

director of the company (Park- now occupies a 20,000 sq ft fac-

lands Business Park, Forest
Road, Denmead, Hampshire

tory with CNC machine tools.

explains UK agent Engelmann (Lenten Street, Alton, Hants GU34 (HH - tel: 0420 82421).

The IES design also incorporates a series of valves to isolate each gripping keyway once in position. This avoids any pumping action as the rewound reels increase in weight during production, maintaining con-A self-locking support

This, he adds, includes

improved discounts on quantity

and just-in-time delivery

that we are selling direct, our

increased cost-effectiveness can

be passed on as a price reduc-

announced a new lightweight

carbon fibre shaft which is to be

built in the UK following two

years development work with

its specialist material supplier. The result, says the company, is

an air shaft that is considerably

lighter than that available at

present, yet still with high levels

fibre products currently avail-

Rimor Airshafts has just

tion to customers."

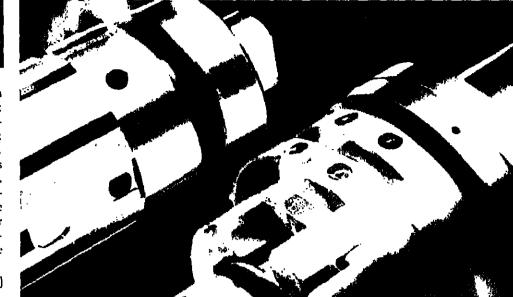
housing in which the shaft rotates within its own integral duced by IES and can be retro-

With any clearance between shaft journals and bearing seat

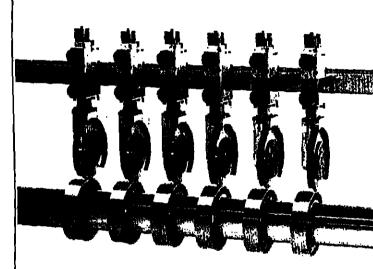
eliminated in this way, highspeed chatter and subsequent wear are prevented, says E & B. Shaft insertion or removal is

also said to be much simpler. After insertion, with the housing aperture at the top-centre position and the sliding collar fully open, the shaft's first rotation automatically slides the collar into the locked position. CIRCLE NUMBER | KI-601

The self-locking shaft from IES can be sourced from Engelmann and Buckham Ancillaries



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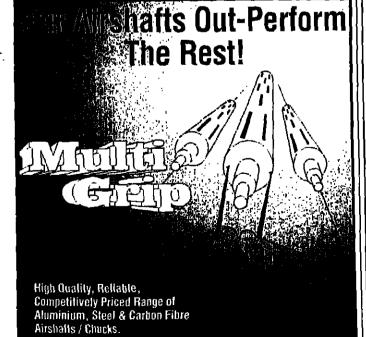
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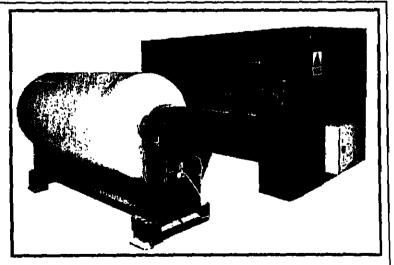
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Unit 2, Windsor Place, Whitehall, Taunton, Somerset TA1 1PG

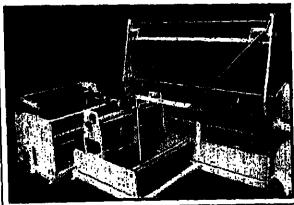
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CIRCLE HUMBER X1.471

PACKAGING NEWS/JANUARY 1994

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Spiral grip gives high concentricity

core damage," explains Tidland.

Should an expanding element

require replacement, this can be

achieved quickly and without

removing journals, adds the company (70/72 Manchester

Road, Denton, Manchester

Also introduced by Tidland

that sit in spiral grooves around Tidland's latest design of air shaft provide 360deg gripping

This, says the company, gives improved concentricity compared with conventional lug shafts, virtually eliminating core distortion and reel bounce for smoother start-ups and faster acceleration.

"With over 25 per cent of the shaft surface as the gripping M34 3PR - tel: 061-320 7242). element, these shafts can offer

External expanding elements 45 per cent more torque in fibre is a second generation of its lightweight Ultrashaft composcores than the most popular lug ite fibre air shaft which now shafts. They expand and colincorporates suffer materials to lapse like normal air shafts, but reduce deflection. pecause of the continuous rubber gripping surface, there is no

The shaft is said to be capable of four times longer life than steel shafts and five times longer life than aluminium. The carbon filament windings are protected externally by a fibreglass outer skin which can be augmented with steel sleeves at points of high abrasion.

CIRCLE NUMBER | KI-611

Flexible shaft

Equipped with interchangeable leaves which can be set up in seconds, the new leaf shaft introduced by TS Converting Equipment is said to provide a shaft that will, for example, accommodate 50, 70 and 76mm diameter cores at considerably less cost than three shafts.

A range of shaft and flange mounted air chucks to suit 6, 8 and 10in cores has also been introduced by the company (Unit 2, Windsor Place, Whitehall, Taunton, Somerset TA1 1PG - tel: 0823 332442).

In a recent order, TS has supplied a UK slitter-rewinder manufacturer with a number of quick changeover air shafts able to accommodate several different core sizes.

CIRCLE NUMBER KI-612





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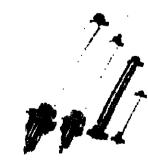
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CIRCLE HUMBER K1-679

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CIRCLE HUMBER KI-681

Carbon fibre winding shaft

and a range of mechanical concentric core chucks have been introduced by Swiss manufacturer Schlumpf.

The CFC shafts are available in standard diameters for 70 and 76.2mm cores, with described as particularly well other diameters on request, and suited to retrofit applications have a tension coefficient simi- and are available in the expan-

pneumatically operated wind- (Unit 11, Vanalloys Business ter. ing shafts up to 4500mm long Park, Busgrove Lanc, Stoke Row, Nr Henley-on-Thames, axial forces and, because no cutting length, a pneumatic

> used, there are no problems Schlumpf's new SDA associated with leaking," mechanical concentric core explains Arrowhive. "The chucks have a compact design chucks' torque capability is the CC series core cutters with proportional to the available axial force."

For core preparation, lar to high grade steel, says UK sion range 70-76mm and 100- Schlumpf has recently uprated

Carbon fibre composite (CFC) agent Arrowhive Equipment 120mm and in 150mm diame- its CC series of modular core cutters with digital linear dis-"Expansion is actuated by play for accurate adjustment of Oxon RG9 5QB - tel: 0491 procumatic components are clamping system and a new microprocessor control said to

improve ease of operation. An optional extra provides the ability to carry our an automatic cutting cycle, complete with automatic tube advance.

CIRCLE HUMBER RI-613



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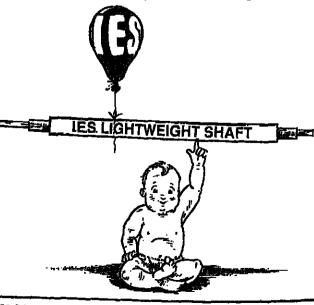


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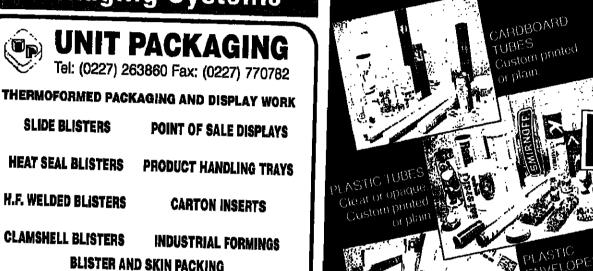
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SALES OFFICE NEGOTIATOR PACKAGING MERCHANTS NORTH EAST UP TO £20K (INCL. BONUS)

For right person with skill and overall knowledge of the trade. Personality and voice chemistry over the telephone is essential-also the ability to create new ideas, seek out and | open up new business.

Relocation expenses paid if necessary.

Please write to:

Packaging News, Box No. 2213, Maclean Hunter House, Chalk Lane, Cockfosters Road, Barnet, Herts. EN4 OBU

CHALLENGING POSITION REQUIRED

For the past four years I have run the UK operation of a major German packaging machinery company.

For six years prior to this I was a Sales Manager for an international packaging machinery company manufacturing in Germany, U.S.A., U.K. and Spain. My roots are in engineering (electrical). I am a member of the *institute of Packaging* with experience in High speed Medium speed shrink wrap around, VFFS, HFFS, Bag top closing. Filling tidding capping - I also have a good knowledge on films, I am now looking to put this experience to good use.

Packaging News, Box No. 2214, Maclean Hunter Ltd., Maclean Hunter House, Chalk Lane, Cockfosters Road, Barnet, Herts. EN4 OBU

PRODUCT DESIGNER

INJECTION MOULDING PERSONAL CARE PRODUCTS

Excellent Salary + Car + Benefits Milton Keynes Area Major Subsidiary of US International Company

A packaging professional is required with a minimum of five years experience in product design and development of components used in personal care

packaging. Knowledge is required of high volume injection moulded closures and blow moulding of bottles.

Reports to Technical Manager (Europe)
 Must be capable of generating innovative solutions

to packaging design requirements. Must be self motivated and able to work with the

minimum of supervision. 3D CAD experience desirable.

 Required to respond to customers' needs at high technical level

 Some European travel required and fluency in French or German helpful.

'Phone or Fax: 0483 504585

generous bonus + car

Ensa + commission + cer

D. Brvan Andrews Associates **Recruitment Consultants**

To Take responsibility for sales of quality printed rigid baxes & thermoformed packaging to the food, confectionery, cosmetics, tol-

letries and publishing markets. Experience of this or related product sectors & markets

Sales Executives - Various UK locations -

Due to expension our client, a major international peckaging group, seek to recruit highly motivated experienced sales professionals for their successful litheleminated, point-of-sale and conventional corrugated divisions.

Southern Sales Specialist - Label Applicators

CURRENT OPPORTUNITIES....

National Assounts Manager £25,000

with pravious experience of the label or related peckaging markets.

choice of car

Specialising in high quality printed cartons to the phermacoutical & tolletries markets, our client is looking to recruit a high calibre senior sales/management professional with a proven track record within the marketplace.

Assount Manager to £25,000 + profit share

boverage & target markets is essential

For further details of the above & many more National opportunities, please call Angela McGuinness, in confidence at:



[olaphose: (0582) 460046 Fassimilis: (0582) 461666

PACKAGING NEWS/JANUARY 1994

PACKAGING NEWS/JANUARY 1994

Business Manager - South - to £25,000 -

Sales Development Manager £ neg + profit share + quality car

Quality food carrien manufacturer seeks an experienced sales professional to manage and develop major accounts and direct the sales foom within the general food and food retail market places.

20% profit share + choice of car Our client is a leading, innovative printed self adhesive label manufacturer with an excellent reputation for quality & sales service. The ideal candidate will be ambitious & dynamic

Market Manager to £30,000 + benus

To manage and develop blueship food & confectionery accounts for this major manufacturer of vacuum formed & thin wall trays.

o£25,000 + bouus + quality car
Reputable and profitable UK manufacturer seek
to recruit a sales professional- potential Sales
Manager. Experience of the labelling/packaging machinery matches and previous expertise
of sales to the food, tollatries, pharmaceutical,



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